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1877-79

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MICHELIA

COMMENTARIUM MYCOLOGIÆ ITALICÆ

CURANTE P. A. SACCARDO

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PATAVII
TYPIS SEMINARII
1877

MICHELIA

COMMENTARIUM MYCOLOGICUM

FUNGOS IN PRIMIS ITALICOS

ILLUSTRANS

CURANTE

P. A. SACCARDO

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FUNGI VENETI

NOVI VEL CRITICI

VEL MYCOLOGIÆ VENETÆ ADDENDI

AUCTORE

P. A. SACCARDO

SERIES VI.*)

Hymenomyceteæ *Fr.*

1. Agaricus (Lepiota) acutesquamosus Weinm. – Erb. critt. ital. ser. II. n. 85. – *A. Friesii* Lasch **acutesquamosus* Fr. Hymen. Eur. 31.

   Hab. in agris *a Selva* (*Treviso*) **) et *Padova*, autumno 1876, non raro.

2. Agaricus (Tricholoma) sejunctus Sow. var. *fuscescens*: pileo obscuriore, marginem versus pallidiore, lamellis totis albidis, vel peripherice dilute sulphureis.

   Hab. in sylva *Montello*, Oct. 1876, non raro.

3. Agaricus (Omphalia) umbelliferus L., Fr. Hymen. Eur. 161. – var. *umbrina*.

   Hab. in graminosis, muscosis collium *Euganei*, Martio 1876.

4. Agaricus (Pleurotus) Sylvanus Sacc. sp. nov. Pileo membranaceo subflaccido, sessili, cucullato-cupulari vel

*) Series I in *N. Giorn. bot. ital.* V. (1873) p. 269 - Series II *ibid.* VII. (1875) p. 299 - Series III in *Hedwigia* XIV (1875) n. 5 p. 68 - Series IV in *Atti Società Veneto-Trentina*, IV fasc. I (1875) — Series V in *N. Giorn. bot. ital.* VIII (1876) p. 161.

**) Loca sæpius memorata: *Selva*, *Giavera*, *Nervesa*, *Colfosco*, *Susigana*, *Vidòr*, vici, *Vittorio* et *Conegliano* urbes in agro Tarvisino *(Treviso)*; *bosco Montello* et *bosco Cansiglio*, sylvæ, prior in agro Tarvisino distr. *di Montebelluna*, postrema in finibus agri Tarvisini, Bellunensis et Utinensis; *Euganei*, colles in agro Patavino.

Ser. IV. in Hedwig.

subdimidiato, e resupinato reflexo, lævissimo (non striato), glabro, cinereo-nigro, minutissime albo-furfuraceo, margine rectiusculo; lamellis latis, remotiusculis, integris dimidiatisque, sordide albis; sporis breve cylindraceis vehementer curvatis, 8–9 × $3^1/_2$–4, granulosis hyalinis, in basidiis clavatis, 30 × 7–8, per sterigmata brevissima acrogenis – Pileus 5-8 mill. diam.

Hab. in sarmentis putrescentibus Clematidis Vitalbæ *a Selva*, Martio 1877.

Obs. Cum *Ag. applicato* Batsch et *Ag. striatulo* Fr. quadam affinitate devincitur, sed statim riteque distinguitur pileo glabro, non striato, sporis lunulatis etc.

5. Agaricus (Entoloma) **sinuatus** Fr., Cooke Hndb. p. 90. – Sacc. Mycoth. Veneta n. 807.

Hab. in umbrosis sylvæ *Montello*, Octobri 1876, frequens.

Obs. Stipes cylindraceus, quandoque basi incrassatus, farctus, albus v. albidus, extus fibrillosus; pileus e convexo expansus, lævis, griseus, margine repandus, lobatusve, rarius integer; lamellæ subemarginatæ v. rotundato-adnexæ, latiusculæ, sordide albæ, dein lutescentes, tandem sordide carneæ; sporæ e globoso acute angulosæ, 8-9 diam., nubilosæ, hyalinæ. – Totus fungus, venenatus ex Cooke l. c., odore gravi farinaceo pollet.

6. Agaricus (Crepidotus) **Cesatii** Rabh., Fr. Hymen. Eur. p. 277.

Hab. in lignis, corticibus, ramisque dejectis *a Selva*, *Vittorio*, autumno.

Obs. Ab *A. variabili* Pers., cui affinis, praecipue dignoscitur pileo haud tomentoso, sed tenuissime velutino, lamellis et sporis (6–7 × $4^1/_2$–$5^1/_2$) flavicantibus, nec rubiginosis – *A variabilis* Mycoth. Ven. n. 422 huc pro parte spectat.

7. Cortinarius (Phlegmacium) **fulmineus** Fr. Hymen. Eur. 347. – *Agaricus sericeus* Schäff. t. 24!

Hab. in sylva *Montello*, autumno (Doct. Moretti!).

8. Hygrophorus (Camarophyllus) **cinereus** Fr. Hymen. Eur. 413.

Hab. in sylva *Montello*, autumno 1876, rarius.

9. **Hygrophorus** (Hygrocybe) **lætus** (Pers.) Fr. Hymen. Eur. 417. – *Agaricus lætus* Pers. Syn. 334 (bene ob lamellas longe decurrentes ut in nostris).

Hab. in sylva *Montello*, Oct. 1876, raro.

Obs. Diagnosis Friesii l. c. et specimina in Rabh. Herb. mycol. ed. II. n. 612 præbent lamellas brevius decurrentes ac in nostris.

10. **Panus Delastrei** Mtgn. Syll. 149. – Fr. Hymen. Eur. 491.

Hab. in cortice duriore Pyri *a Manzana* (Treviso), Oct. 1875.

Obs. Specimina, quæ adsunt, nimis parca et forte juvenilia, sed a cæteris generis speciebus multo longius distant.

11. **Boletus pachypus** Fr. Hymen. Eur. 506.

Hab. in sylva *Montello*, autumno (Doct. Moretti, ex icone!). Venenatus.

12. **Boletus Satanas** Lenz., Fr. Hymen. Eur. 510.

Hab. in sylva *Montello*, *a Susigana* etc., autumno. Venenatus.

13. **Boletus rimosus** Vent. Micet. bresc. t. 64 f. 3-4 (stipes nimis cyaneus). – Passer. Funghi Parmensi enum. n. 387 (bene) – Fr. Hymen. Eur. 507.

Hab. in sylva *Montello*, autumno frequens. Non comeditur.

14. **Polyporus** (Resup.) **contiguus** (Pers.) Fr. Hymen. Eur. 571. – *P. pachyus* Rostk. 27. t. 5. (excl. colore).

Hab. in truncis putrescentibus *a Selva*, *Vittorio*, *Padova*, non raro.

15. **Polyporus** (Resup.) **sinuosus** Fr. Hymen. Eur. 576.

Hab. ad ligna quercina putrida in sylva *Montello*, per annum.

16. **Polyporus** (Resup.) **reticulatus** (Pers.) Fr. Hymen. Eur. 580.

Hab. in ligno putri fagineo in sylva *Cansiglio*, Oct. 1874.

Obs. Pori ex albo lutescunt. Certe bona species!

17. **Radulum quercinum** (Schrad.) Fr. Hymen. Eur. 623. – Cooke Hndb. 304, fig. 74, – var. *Robiniæ:* dentibus

quandoque acutatis, omnibus vero apice sub lente setulosis.

Hab. in cortice putrescente Robiniæ *a Selva*, Sept. 1875.

18. **Hydnum** (Mesopus) **nigrum** Fr. var. *olivacco-cinereum* Fr. Hymen. Europ. 605. – *H. cinereum* Batsch, Elench. Fungor. fig. 223!

Hab. in sylva *Montello*, Oct 1872, raro.

19. **Hydnum** (Mesopus) **Montellicum** Sacc. sp. nova. Lignoso-coriaceum; pileo compacto, subplano, centro excavato, subregulari, tomentoso-velutino, ferrugineo-spadiceo, intus fusco, azono; stipite subregulari, cylindraceo, spadiceo e velutino glabrato; aculeis æqualibus ad medium fere stipitem decurrentibus, longiuscule subulatis, constanter ochraceo-brunneis; sporis e globoso-muricatis, 4–5 diam., ferruginascentibus. – Totus 3–5 cent. altus; pileus 4–6 cent. latus, $^3/_4$ cent. crassus; stipes $^1/_2$–1 cent. crassus.

Hab. in sylva *Montello*, Oct. 1876, frequens.

Obs. A speciebus mihi notis probe distinctum. Cum *Hydno velutino* Fr., *H. ferrugineo* Fr., *H. spadiceo* Pers. nonnullis notis convenit sed cæterum differt.

20. **Hydnum** (Apus) **hirtum** Dmz. sec. Fr. Hymen. Eur. 612. – M. V. n. 829.

Hab. in truncis emortuis Carpini Betuli, Oct. 1875.

Obs. Cum brevi descriptione Friesii l. c. mihi tantum nota satis congruit. Habitus *Irpicis canescentis* vel *Daedaleæ unicoloris*. Pileus et aculei pallide ochracei; sporæ globoso-angulatæ, 3 diam., hyalinæ.

***Hydnum** (Apus) **pudorinum** Fr. Hymen. Eur. 612.

Hab. in truncis Carpini *a Selva,* Apr. 1877.

Obs. I. A præcedente vix pileo albo, aculeisque roseis (ex ætate?) recedit; ergo mera varietas.

Obs. II. In sequentibus Hydni speciebus sporas examinare contigit.

Hydnum imbricatum L. – M. V. n. 823 – Sporæ e globoso acutangulæ, 5–6 $^1/_2$ diam., ochraceæ, nec ut habet Fckl. Symb. p. 25.

Hydnum repandum L. – M. V. n. 824 – Sporæ globosæ vel leniter angulosæ, 6–8 diam., hyalinæ.

Hydnum cinereum Bull. – M. V. n. 825 – Sporæ globulosæ, obsolete muriculatæ, 2 $^1/_2$–3 $^1/_2$ diam., hyalinæ, ferruginascentes.

Hydnum zonatum Batsch. – M. V. n. 826 – Sporæ globulosæ, conspicue muriculatæ, 3$^3/_4$ – 4 diam., hyalino-ferruginascentes.

Hydnum Erinaceus Bull. – M. V. n. 827, ubi ex errore typ. « imbricatum » – Sporæ globulosæ, læves, 5 $^1/_2$ – 6 diam., quandoque subovoideæ, 1-nucleatæ, hyalinæ.

Hydnum Auriscalpium L. – M. V. n. 828 – Sporæ globosæ vel subglobosæ, 4 ≈ 4–5., nubilosæ, hyalinæ.

21. **Hydnum** (Resupinatum) **diaphanum** Schrad. – v. *muscicola* (Pers.) Fr. Hymen. Europ. 616.

Hab. in sphagnis putrescentibus in calidariis Horti Patavini, Febr. 1876.

22. **Craterellus cornucopioides** (L.) Pers. – Sacc. Myc. Ven. 61 – var. *flavicans:* hymenio lævissimo pulchre flavicante.

Hab. in sylva *Montello*, rarius, Oct. 1876.

23. **Stereum** (Merisma) **tabacinum** (Pers. ampl.) Fr. Hym. Eur. 641. *Hymenochæte tabacina* Lév., Thüm. Myc. Univ. n. 211^b (vix 211^a).

Hab. in ramulis emortuis Cytisi nigricantis et Rubi in sylva *Montello*, autumno.

24. **Corticium** (Coniophora) **aridum** Fr. Hymen. Eur. 658 - var. *pusilla*: adnata, suborbicularis, minutissima, tenuiter membranacea, alba lutescenti-pulverulenta, margine byssino, albicante; sporis e rotundo angulosis, 3 $^1/_2$–4 diam., subochraceis – *Hypochnus lacteus* Bon. Hndb. fig. 259 accedere videtur.

Hab. in corticibus pinеis *a Selva*, Aug. 1875, raro.

25. **Corticium** (Coniophora) **puteanum** (Schum.) Fr. p. p. – Sacc. M. V. n. 799. *non* Fungi Veneti ser. V. 165. *Telephora puteana* Fr. Elench. I. 194 exclusa var. *cellaris*, quae distincta species. Cfr. seq.

Hab. in trunco putri fagineo Patavii, Ian. 1876 (G. Bizzozero).

Obs. Sporæ oblongæ, deorsum acutatæ, 6–7 × 3, dilute olivaceæ.

26. Corticium (Coniophora) cellare (Pers.) Sacc. – *Cort. puteanum* Cooke Fungi Brit. ed. II. n. 11., Sacc. Fungi Veneti Ser. V. 165, *non* Schum.

27. Corticium (Himantia) roseum Pers. – M. V. n. 800 Kx. Fland. II. 265.

Hab. In ligno putrescente Iuglandis regiæ, Febr. 1876.

Obs. Sporophora filiformia; sporæ acrogenæ, oblongae, 6-7 × 3, deorsum acutatæ, apice rotundatæ, guttulatæ, hyalinæ – Huic simillimus est *Hypochnus anthochrous* Fckl. F. rh. n. 2612 et Symb. App. II. 82, an Pers.

28. Corticium (Hypochnus) epiphyllum (Pers.) Sacc. – *Athelia epiphylla* Pers. – *Hypochnus epiphyllus* Wallr. – var. *candidum:* tenuiter membranaceum, byssinum, niveum; hyphis ramoso-anastomosantibus, remote septatis, hyalinis, apice in basidia clavata desinentibus; basidiis sporas singulas vel binas, ovoideas, 8 × 5, sterigmatibus brevissimis fultas, hyalinas gerentibus.

Hab. in foliis Plantaginis et Muscorum nondum emortuis, quæ obducit *a Conegliano,* Oct. 1876 (C. Spegazzini) – *Sporotrichum Pellicula* Lk., *Athelia Pellicula* Chev. et *Corticium arachnoideum* Bertk. huic affinia videntur.

29. Clavaria (Ramaria) flaccida Fr. Hymen. Eur. 671 – M. V. n. 796 – Rabh. Fungi eur. n. 1821.

Hab. in radicibus Rhois radicantis in Horto botanico Patavino, Decembre 1875 (G. Bizzozero).

Gasteromycetæ *Fr.*

30. Caldesiella Sacc. nov. gen. *) Peridia ex subiculo membranaceo, persistente, villosulo oriunda, gregaria, minutissima, ampulliformia, tegumento tenuissimo indistincte

*) Novum genus eximio botanico et amico optimo Ludovico Caldesi faventino dicatum.

cellulari, sporis globosis, muriculatis, floccis parcis adnatis fæta.

Obs. Genus anceps a Myxomycetibus, cum quibus nonnihil convenit, ob defectum plasmodii (suadente quoque cl. J. de Rostafinski) maxime recedit; fructificatione Lycoperdaceis accedit, a quibus tamen vegetatione, subiculo, exiguitate desciscit.

Caldesiella italica Sacc. nov. spec. Peridiis fuscis glauco-furfuraceis, apice obscuriore, ex ovato phialiformibus, collo breviusculo cylindraceo, apice rotundato clauso, quandoque e mutua pressione cylindraceis compressisque, erectis, 1–1¼ mill. altis, ½–¾ mill. crassis, dense gregariis, sporis omnino refertis; subiculi cinnamomei hyphis filiformibus, repetito dichotomis hinc inde nodulosis septatisque, 7 micr. diam.; sporis globosis 7½–8½ diam., initio e mutua pressione angulosis, aquose ferrugineis, undique hyalino-muriculatis, sæpe nucleatis, apici v. lateri floccorum hyalinorum adnatis.

Hab. ad terram umbrosam in Horto botanico Patavino, autumno 1873 (G. Bizzozero).

31. **Geaster fornicatus** (Huds.) Fr., Sacc. Mycol. Ven. 71.

Obs. Huc spectat *G. marginatus* Vitt. sec. specimina originalia, sed dubito an satis differat; certe *G. fornicatus* in Rabh. *F. E.* n. 2013 et in Thuem. *Mycoth. Univ.* n. 526 vix statura paulo majore a speciminibus *G. marginati* Vittadinianis recedit.

Hypodermeæ *de Bary*

32. **Ustilago utriculosa** (Cda) Tul. – Sacc. M. V. n. 838 – *Uredo utriculosa* Cda Anl. t. B. f. 3:3,4.

Hab. in ovariis Polygoni Hydropiperis *a Selva,* Nov. 1876.

Obs. Ab *Ust. Candollei* Tul. quacum, sec. Fckl., in *Myc. Ven.* p. 73 conjunxi, distinctissima est. *Ust. Candollei* vera apud nos præcipue in Polygono miti occurrit, nec raro.

33. **Ustilago Rabenhorstiana** J. Kühn in Hedw. 1876 p. 4 et in Rabenh. F. E. Cent. 21! – Huc pertinet

Ust. destruens var. *Digitariæ* Sacc. *Fungi Veneti novi* Ser. V. 167.

34. **Tilletia striæformis** (West.) Niessl in Hedw. 1876 p. 1. – *Uredo striæformis* West. Bull. Act. Brux. 1851. p. 406 – *Tilletia de Baryana* Fisch. Waldh. in Rbh. F. E. n. 1097.

Hab. in foliis Holci lanati *a Selva*, rarius Sept. 1876.

35. **Urocystis Anemones** (Pers.) Rabh. – f. *Ranunculi bulbosi* Sacc. M. V. n. 841 – *U. pompholygodes* (Schl.) Rabh., Sacc. Mycol. Ven. 74.

Hab. in caule Ranunculi bulbosi *a Padova*, Majo 1876 (G. Bizzozero).

36. **Uromyces Phyteumatum** (DC.) Lév., Schröt. Brandp. p. 11.

Hab. in foliis vivis Phyteumatum in montanis Veronensibus, æstate 1875 (Prof. A. Goiran).

Obs. Teleutosporæ obovatæ, obtusæ, 30–35 × 20, tunica apice crassa, læves, cinnamomeæ, hyalino-stipitatæ.

37. **Uromyces scutellatus** (Pers.) Lév. – Sacc. M. V. n. 441 et Fungi Veneti Ser. V. 171 – Sec. cl. Körnicke in litt. 16 Dec. 1876 hæc est nova species ab ipso *U. laevis* nuncupata. Cfr. Hedw. 1877 p. 38. Eamdem habui *Verona* (Goiran), *Conegliano*, in Euphorbia dulci (Spegazzini).

38. **Uromyces tuberculatus** Fckl. – *U. scutellatus* Sacc. Mycol. Ven. p. 87 p. p. et Nuove Ruggini 14 fig. 16., nec Pers.

Hab. in foliis Euphorbiæ Cyparissiæ *a Bassano* (Montini), *Conegliano* (Spegazzini), *Verona* (Goiran) æstate 1873-75.

39. **Puccinia Cerasi** Cda – Sacc. Myc. Ven. n. 49 – f. *Persicæ vulgaris*.

Hab. in pagina inferiore foliorum ejusdem *a Conegliano*, aest. 1876 (Spegazzini).

40. **Puccinia Anemones** Pers. – Sacc. Myc. Ven. p. 79 – f. *A. trifoliæ*.

Hab. in ejusdem foliis *Veronæ*, æstate 1875 (Goiran).

41. **Puccinia Tanaceti** DC. — M. V. n. 459-464 – f. *Carlinæ vulgaris.*

Hab. in foliis Carlinæ vulgaris *a Conegliano,* Oct. 1876 (Spegazzini).

42. **Puccinia Valerianæ** Carest. et Ces. Erb. critt. ital. Ser. I. n. 500. – M. V. n. 876.

Hab. in foliis languidis Valerianæ officinalis in sylva *Montello,* Oct. 1876, stat. teleutosp. rarius.

Obs. Ad hujus statum uredosp. spectat *Uredo Valerianæ* Desm., nec homonymon DC., quod ad *Uromycetem Valerianæ* (DC.) Fckl. – M. V. n. 435 – pertinet.

43. **Puccinia Prunorum** Lk. f. *Pruni Armeniacæ* Duby – M. V. n. 856 (st. uredosp.) et n. 857 (st. teleut.)

Hab. ejusdem foliis *a Selva,* Aug.-Nov. 1876.

Obs. Ad statum uredineum *P. Prunorum* spectat, ut opinor, *Uredo Prunastri* DC., *U. Castagnei* Mtgn., *Uromyces Prunorum* Fckl.

44. **Puccinia Chamædryos** Ces. in Kl. Herb. myc. n. 1991.

Hab. in foliis Teucrii Chamædryos, *a Conegliano,* æst. 1876, stat. teleutosp. (Spegazzini).

45. **Puccinia Aristolochiarum** Cda f. *A. pallidæ.*

Hab. In ejusdem foliis *a Conegliano,* rarius Oct. 1876 (Spegazzini).

46. **Puccinia Magnusiana** Kcke in Hedw. 1876 p. 179 – M. V. n. 849 – *P. striola* Pass. in Rabh. F. E. n. 2164 – *P. arundinacea, var.* M. V. n. 381.

Hab. in foliis vaginisque Phragmitis communis *a Padova,* Apr. 1876.

47. **Puccinia Luzulæ** Lib. – M. V. n. 854.

Hab. in foliis Luzulæ pilosæ in sylva *Montello,* Oct. 1876, rarissime, teleut. et uredosp.

Obs. Uredosporæ basidiis elongatis vage ramulosis suffultæ, obovatæ, 30–35 × 18, læves, flavæ.

48. **Puccinia Salviæ glutinosæ** Ces.

Obs. I. Duas formas rite distinctas edidi in M. V. Sub n. 130 et 864 adest forma quæ cum *P. pallida* Bagnis «Le Puccinie» pag. 56 congruit. Altera sub n. 863,

in caule, congruit cum *P. hyalopode* Bagnis l. c. p. 50.

Obs. II. Herculeum clariss. C. Bagnisii opus *de Pucciniis* *) totam hucusque adhibitam specierum delimitationem mutat ingentemque specierum Pucciniæ numerum ad perpaucas decinas (51 species) reducit, quum tantum forma, colore et magnitudine sporarum, saepissime conformium, (uti clare evincitur ex optimis iconibus ab ipso auctore delineatis) innitatur. Et multa sane corrigenda aderant! Dolendum tamen quod clar. Bagnis metagenesim indubiam Hypodermearum omnino negligens atque characteribus vegetationis nullum valorem v. constantiam tribuens, multa forte, quæ natura separavit, commiscuerit. Cur potius viam ab ill. Tulasne, de Bary, Fuckel, et præcipue Schröter (*Brand - und Rostpilze Schlesiens* 1869) patefactam, correctis corrigendis, non sequutus est cl. Bagnis?

49. **Phragmidium microsorum** Sacc. M. V. n. 848. Cæspitulis minutis gregariis hypophyllis; teleutosporis oblongis cylindraceisve, 70-90 ≈ 25-28, 3-4-septatis, superne asperulis, vertice mucronatis, fusco-cinnamomeis, stipitibus obclavatis teleutosporas subaequantibus; uredosporis globosis muriculatis, flavis; cystidiis intermixtis uncinatis hyalinis.

Hab. in foliorum Rubi cæsii pag. inf. in sylva *Montello,* Sept. 1876.

Obs. Inter *Phragm. asperum* et *Phragm. bulbosum* medium! – *Phragmidium Tormentillæ* Fckl., statu teleutosp. legi in sylva *Montello* Sept. 1876 et edidi in M. V. n. 846.

50. **Coleosporium Rhinanthacearum** (DC.) Lév. f. *Rhinanthi minoris.*

Hab. in ejusdem foliis *a Conegliano,* Oct. 1876, raro (Spegazzini).

51. **Coleosporium Senecionum** (Rabh.) Fckl. f. *Senecionis Doronici.*

*) Le Puccinie, Memoria di C. Bagnis, Roma 1876 (Atti della R. Accademia dei Lincei) 1 vol. 4°, con 13 tav. col.

Hab. in ejusdem foliis in *M. Baldo,* Aug. 1876 (Goiran).

52. **Coleosporium Petasitis** (DC.) d. By. f. *Petasitis nivei.*

Hab. in ejusdem foliis in montibus *Lessini,* Nov. 1876 (Goiran).

53. **Cronartium Pæoniæ** Cast. – M. V. n. 878 – C. *asclepiadeum* var. *Pæoniæ* Lév., Kx Flandr. II. 34.

Hab. in pag. inf. foliorum Pæoniæ officinalis *a Conegliano* Oct. 1876. (Spegazzini).

54. **Uredo gyrosa** Rebent. – Huc spectat *U. Ruborum* var. *epiphylla* Sacc. Mycoth. Ven. n. 118. Cfr. Fischer in Rabh. F. E. n. 2186 (*Epitea gyrosa*) – *Lecythea gyrosa* Lév., Cooke F. B. ed. II. n. 68 – *Uredo gyrosa* R., Fckl. F. rh. n. 2622.

55. **Uredo Quercus** Brond. – M. V. n. 880 – Vize F. B. n. 58 – Cooke F. B. ed. II. n. 76 – Kx Flandr. II. 88.

Hab. in pag. inf. foliorum viventium Quercus pedunculatæ in sylva *Montello,* Aug. 1876.

Obs. Verisimiliter status uredineus *Melampsoræ* cujusdam.

56. **Æcidium Behenis** DC. – M. V. n. 881 – St. hymen. *Uromycetis Behenis* Lév.

Hab. in foliis ramulisque Silenes inflatæ *a Selva, Conegliano, Padova,* Aut. 1876.

57. **Æcidium Taraxaci** Schm. et Kze – M. V. n. 882 – St. hymen. *Puccinieæ variabilis* Grev.

Hab. in foliis Taraxaci officinalis *a Selva,* Aug. 1876.

58. **Æcidium Scrophulariæ** DC. – f. *Rhinanthi majoris.*

Hab. in foliis ejusdem *a Conegliano,* Majo 1876, raro (Spegazzini).

59. **Æcidiolum exanthematicum** Ung. – Thüm. F. Austr. n. 1200.

Hab. in foliis Euphorbiæ Cyparissiæ et E. dulcis *a Selva, Conegliano,* Aprili 1876-1877.

60. **Æcidiolum Tragopogonis** – St. spermog. *Æcidii Tragopogonis* Pers.

Hab. in foliis Trag. pratensis *a Conegliano,* æstate 1876 (Spegazzini).

Obs. Spermatia ovoidea, hyalina, 4 × 3.

61. Æcidiolum Convolvuli Sacc. M. V. n. 885 – St. spermog. *Pucciniæ Convolvuli* Cast.

Hab. in foliis Calystegiæ sepium, Majo 1876, *a Padova.*

Obs. Æcidiolum non nisi folio luci objecto conspici potest. In iisdem foliis quotannis successive producuntur *Æcidiolum, Æcidium, Uredo* et tandem *Puccinia.*

62. Æcidiolum Cirsii (Lasch) Sacc. – *Sphæronema Cirsii* Lasch – St. spermog. *Pucciniæ obtegentis* Lk.

Hab. in foliis Cirsii arvensis *a Selva, Padova* æstate 1876.

Phycomyceteæ *de Bary*

63. Peronospora alta Fckl. – Schröt. Schles. Pilze II. 16.

Hab. in pagina inferiore foliorum Plantaginis majoris *a Selva* et *Conegliano,* Aut. 1876.

64. Peronospora Chloræ d. By – Rabh. F. E. n. 1590.

Hab. in caule, foliis, pedunculisque Chloræ perfoliatæ *a S. Martino* agri Veronens., Sept. 1876 (Goiran) – Cfr. Hedw. 1872. p. 181.

65. Peronospora densa Rabh. F. E. n. 795 – Schröt. Schles. Pilze II. 5.

Hab. in pag. inf. foliorum Rhinanthi minoris *a Conegliano,* æstate 1876 (Spegazzini).

66. Peronospora Alsinearum Caspari – Schröt. Schles. Pilze II. 10 – M. V. n. 793 (in Cerastio triviali).

Hab. in ejusdem foliis *a Padova,* Iunio 1876, et in foliis Stellariæ mediæ *a Conegliano,* æstate 1876 (Spegazzini).

67. Cystopus Capparidis d. By – Cfr. Ann. Lab. critt. *Pavia,* vol. I.

Hab. in foliis Capparidis rupestris *a Montorio* (Verona) æstate 1876 (Goiran).

68. Hydrophora stercorea Tode – Cooke Hndb. 1896 f. 302, an Fr.?

Hab. in stercore humano *a Vittorio,* Oct. 1875, socio *Coprotricho purpurascente* Bon.

Obs. Huic affinis est *Mucor racemosus* Fresen. Sporæ ovoideæ majusculæ, 15 × 6–7, granulosæ, hyalinæ, nec minimæ ut affert Fr. Syst. Mycol. III. 314.

69. **Mucor helicostylus** Sacc. (vix *Helicostylium elegans* Cda).

Hab. in stercore humano et felino *a Selva,* Oct. 1876.

Obs. Totus e hyalino flavicans; hyphæ fertiles continuæ, sursum circinatæ v. saltem curvæ, apice vesiculam 50-60 micr. diam. sporangio globoso flavo inclusam gerentes; sporæ ovato-oblongæ 18–20 × 10–12 raro –15, perfecte hyalinæ. – Sporangio lævi nec punctato, hyphisque apice vesiculosis ab *Helic. elegante* Cda Ic. V. f. 28 satis recedere videtur.

70. **Empusa Muscæ** (Fr.) Cohn – M. V. n. 1084 – *Sporendonema Muscæ* Fr. – *Entomophthora Muscæ* Fres. – Stat. imperfectus *Saprolegniæ feracis* Kütz.

Hab. in muscis domesticis, quas enecat, *a Padova,* Iulio 1876.

71. **Synchytrium Taraxaci** d. By et Woron, Cooke F. B. n. 46.

Hab. in foliis Taraxaci officinalis *a Conegliano,* Oct. 1876 (Spegazzini).

72. **Schinzia Alni** Woron. – Fckl. Symb. 74.

Hab. in radicibus Alni glutinosæ quæ gibboso-tuberculatæ fiunt, *a Selva, Padova,* per annum.

73. **Protomyces macularis** (Wallr.) Fckl. Symb. 75.

Hab. in foliis Alismatis Plantaginis *a Selva,* Sept. 1876, raro.

Obs. Sporae (sporangia?) in quaque foliorum cellula singulæ, initio hyalinæ, sphæricæ, 35 diam., dein subovoideæ, cinnamomeæ, nucleatæ.

74. **Protomyces reticulatus** Sacc. nov. spec. Dense gregarius, plagulas foliorum arescentes occupans, pustulasque punctiformes vix elevatas fuscidulas formans; sporangiis in quaque foliorum cellula singulis, sphæricis, 25 diam. eximie asperato-reticulatis, lutescenti-fuscidulis, monosporis; sporis sphæroideis, tunica crassius-

cula, 18–20 diam., sæpe 1–2-guttatis e hyalino dilutissime fumosis.

Hab. in foliis Orobi verni amphigenus, rarissime, *a Conegliano,* Majo 1876 (Spegazzini).

75. **Protomyces Bizzozerianus** Sacc. nov. spec. Maculis amphigenis subcircularibus, arescendo helvolis crebre et minutissime punctulatis; sporis immersis in quaque foliorum cellula pluribus arctiuscule conglobatis, e sphærico ovoideis, 10 × 10–12, lævibus, farctis, rarius 2-guttatis, fumose hyalinis.

Hab. in foliis Sagittariæ sagittifoliæ, *a Padova,* Oct. 1876 (G. Bizzozero).

Obs. A *Prot. Sagittariæ* Fckl toto cœlo diversus.

76. **Protomyces xylogenus** Sacc. nov. spec. Acervulis endoxylis, dein (e ligni corruptione?) emergentibus, ($^3/_4$–1 mill. diam.), confluentibus, dilute ochraceis, pulverulentis; sporis magnis e globoso ovoideis, 40–50 × 40–50, raro usque 70 × 40, lævissimis, episporio crasso hyalino, nucleo granuloso flavo.

Hab. in ligno populeo prope *Mantuam,* Majo 1873 (Com. A. Magnaguti-Rondinini).

Obs. Species optima, cum cellulis ligneis degeneratis (*Pseudo-protomyces* Gib.) ne comparanda quidem. A *Schinzia Alni* Woron. quoque diversissima.

Ascomycetæ *de Bary*

Pyrenomyceteæ *Fr.*

Erysipheæ Lév.

77. **Microsphæra Dubyi** Lév. – Kx Fl. crypt. Flandr. I. 379 – M. V. n. 891 – *Erysiphe abnormis* Duby p. p.

Hab. in foliis Loniceræ Caprifolii *a Selva, Vittorio,* Oct. 1875-1876.

78. **Microsphæra comata** (Lk.) Lév. – Kx. Fl. crypt. Flandr. I. 379. – M. V. n. 892. – *Erysiphe comata* Lk. – *E. Evonymi* DC.

Hab. in foliis Evonymi europæi *a Conegliano,* Oct. 1876 (Spegazzini).

79. **Eurotium coriorum** Wallr. Fl. crypt. Germ. 331.

Hab. in corio putrescente udo *a Conegliano,* Oct. 1876 (Spegazzini).

Obs. Perithecia minutissima globosa citrina. Asci subglobosi, octospori; sporidiis e fronte subsphæricis, $4^1/_2$–$5^1/_2$ diam., lævibus, dilutissime flavidis, hyalinis. Vix ab *E. repente* d. By diversum.

Sphæriaceæ Fr. p. p., Ces. et D. Ntrs.

Sect. 1 Allantosporæ Sacc.

80. **Valsa** (Eutypa) **ludibunda** Sacc. M. V. n. 938–939 et 940 (*Cytispora* ejus) – *V. referciens* Sacc. Myc. Ven. 128 p. p. et M. V. n. 196–200–734 (formæ variæ) – *V. cerviculata* Erb. critt. ital. ser. II. 641, non Fr. – *Valsa lata* Sacc. Myc. Ven. 128 p. p. non Pers.

Hab. in ramis corticatis, in cortice duriore truncorum, immo, cortice secedente, in ligno denudato arborum fere omnium in toto agro Veneto, per annum.

Obs. Species maxime ludibunda: perithecia submonosticha, nunc subsparsa ad instar Cryptosphæriæ, nunc in ligni superficie denigrata, densissime stipata ut vera Eutypa, nunc in acervulos quasi Eutypellæ hinc inde aggregata, initio extus albo-furfuracea; stroma modo latum nigrumque, modo tenue et vix percipiendum; ostiola plerumque brevia, rarius vero longiuscula, non tamen exserta, vertice conoideo vel obtusato, modo profunde 4–5-sulcato, modo leviter rimoso, neutiquam levi, ut *V. lata* (Pers.). A *V. referciente* Nke Pyr. germ. 137 differt præcipue stromate in cortice interiore plerumque nigrolimitato, peritheciis extus albo-furfuraceis, monostichis, sed et hæc forte ejusdem speciei formam rariorem sistit – *Valsa leprosa* (P.) Nke Pyr. 136 et *V. confluens* Nke ib. 167 verisimiliter a *V. ludibunda* specifice non differunt. *V. leprosa* perfecte congruit cum

forma quam in M. V. n. 200 edidi. Sequentes formas sedulo observavi:

1. *Juglandis regiæ*, quaternariæformis; corticola, acervulis parvis gregariis; ostiolis leviter 3–4-rimosis; ascis p. s. 55–60 × 8; sporidiis 11–15 × $2^1/_2$–3, luteolis.
2. *Aceris campestris* I (M. V. n. 200) ut n. 1.
3. *Aceris campestris* II: acervulis corticolis confluentibus; ost. obsolete rimosis; a. p. s. 40–42 × 6; sp. 11–13 × 2, luteolis.
4. *Aceris campestris* III: peritheciis ligno immersis v. semimmersis, stipatis, late effusis; ost. sulcatis; a. p. s. 50 × 5; sp. 9–10 × 2–$2^1/_2$.
5. *Aceris campestris* IV: peritheciis ligno immersis v. semimmersis, in series longitudinales parallele stipatis; ost. obsolete rimosis; a. p. s. 55–60 × 8; sp. 11–14 × $2^1/_2$–3.
6. *Berberidis vulgaris*: nunc acerv. regular. valseis cortical., nunc ligno semimm. elongatis; ostiol. distincte 4-sulcatis; a. p. s. 40–50 × 6–7; sp. 10 × 2–$2^1/_2$ luteolis.
7. *Æsculi rubræ*: acerv. vals. subregul. cortic.; ost. leviter 3–5-rimosis; a. p. s. 50–55 × 7; sp. 12–14 × $2^1/_2$–3, luteolis.
8. *Salicis vitellinæ*: acerv. vals. regul. cortic.; ost. 3–5 rimosis; a. p. s. 40–45 × $5^1/_2$–$6^1/_2$; sp. 9–11 × 2–$2^1/_4$ luteolis.
9. *Ulmi campestris* I: acerv. vals. confluent. cortic.; ost. obsolete 2–4-rimosis; a. p. s. 50–55 × 8; sp. 12–14 × 2–3 lutescentibus.
10. *Ulmi campestris* II: perfecte ut n. 1.
11. *Ulmi campestris* III: peritheciis ligno semimmersis, stipatis, late diffusis; ost. obsolete 2–4-rimosis; a. p. s. 40–45 × 5–6; sp. 8–10 × $1^3/_4$–2.
12. *Albizziæ Julibrissin*: acervul. parvis vals. regul. cortic. vel elongatis ligno semimm.; ost. parvis 2–4 leviter rimos.; a. p. s. 45–50 × 6; sp. 8–10 × $2^1/_2$ luteolis.
13. *Platani orientalis* (M. V. n. 199): acerv. vals. cortic. subregul. v. elongatis confluent. ligno immers.;

ostiol. leviter 2–3–sulc.; a. p. s. 50 × 8; sp. 12–13 × $2^1/_2$–3 luteolis.

14. *Robiniæ Pseudacaciæ* I. (M. V. n. 939): acerv. vals. regul. v. confluent. cortic.; ost. nitid. leviter 2–4–sulcat.; a. p. s. 50 × 7; sp. 8–10 × $2^1/_2$ lutesc.

15. *Robiniæ Pseudacaciæ* II. (M. V. n. 196): perith. ligno superficie nigrificato immersis v. semiimm. stipat., extensis; ost. leviter sulcatis; a. p. s. 50 × 6; sp. 8–11 × 2.

16. *Broussonetiæ papyriferæ* (M. V. 198). Adsunt duæ formæ similes n. 14 et 15. In utraque a. p. s. 40 × 6–7; sp. 9–10 × $1^3/_4$–2 pallide lutescentes.

17. *Mori albæ* (M. V. n. 197) ut n. 16: asc. p. s. 40–45 × 5–$6^1/_2$; sp. 9–11 × 2–$2^1/_4$.

18. *Pruni domesticæ*: acerv. cort. vals.; ost. 2–4–sulcat.; a. p. s. 35–40 × 7; sp. 12–14 × $2^1/_2$–3 luteol.

19. *Populi nigræ* (M. V. n. 938); acerv. vals. cortic. subregul. v. confluent.; ost. 2–4–sulc.; a. p. s. 40 × $6^1/_2$–7; sp. 8–10 × $1^3/_4$–2 luteol.

20. *Sophoræ japonicæ*: acerv. vals. cortic. prominul. subregul.; ost. 2–4–sulcat.; a. p. s. 50 × 6; sp. 10–12 × 2–$2^1/_2$, pallide lutesc.

21. *Gleditschiæ Triacanthi*: acerv. vals. cortic. subregul. protuberant.; ost. 2–4–sulc.; a. p. s. 35–40 × 6; sp. 12 × 2–$2^1/_2$ luteol.

22. *Fraxini Orni*: acerv. cortic. vals. regul.; ostiol. 2–4 sulc.; a. p. s. 40–45 × 6; sp. 10–11 × 2–$2^1/_4$ luteol.

23. *Sterculiæ platanifoliæ*: acerv. cortic. vals. confluent. vel extensis, ligno semiimmersis; a. p. s. 42 × 6; sp. 9–10 × 2–$2^1/_4$ luteolis.

24. *Citri Limonii*: acerv. cort. vals. confl. v. ligno semiimm. extensis; ost. leviter 2–4–sulc.; a. p. s. 50–52 × 6–$6^1/_2$; sp. 10–11 × 2–$2^1/_4$ luteolis.

25. *Aceris Negundinis*: acerv. confl. cort.; ost. leviter 2–4–sulc.; a. p. s. 45–50 × 6–7; sp. 8–10 × $1^1/_2$–$2^1/_2$ pallid. lutesc.

26. *Sambuci nigræ*: acerv. cortic. vals. discretis; ost. 2–4–sulcatis; a. p. s. 45 × 7; sp. 12–13 × $2^1/_2$–3 lutesc.

27. *Cydoniæ vulgaris*: acerv. cortic. vals. discretis; ost.

2–4–exaratis; a. p. s. 40–50 × 6–7; sp. 11–12 × $2^1/_2$ luteolis.

28. *Cratægi Oxyacanthæ*: acerv. cortic. vals. discret. v. confluent.; ost. 2–4–exaratis; a. p. s. 50 × 8; sp. 12–13 × 2–$2^1/_2$ luteol.

29. *Corni sanguineæ*: acerv. cortic. vals. discret.; ost. 2–3–sulc.; a. p. s. 40–45 × 6–7; sp. 10–12 × 2–$2^1/_4$, luteol.

30. *Evonymi europæi*: acerv. cortic. vals. discret. vel extensis, ligno semiimmersis; ost. 2–3–sulc.; a. p. s. 50 × $7^1/_2$–8; sp. 11–14 × 2–$2^1/_2$, luteol.

31. *Cytisi Laburni*: acervul. cortic. vals. discret. v. confluent. extensis; ost. 2–4–sulcat. nitid.; a. p. s. 40 × 8; sp. 9–12 × 3 luteol.

32. *Pruni spinosæ*: acerv. cortic. vals. discret.; ost. 2–4–sulcatis; a. p. s. 55 × 10; sp. 12–14 × 2–3 luteol.

33. *Castaneæ vescæ* ut n. 15.

34. *Chimonanthi fragrantis* ut n. 28.

35. *Celtidis australis*: acervulis cortic. vals. confluent.; ost. 3–4–exaratis; a. p. s. 35 × 7; sp. 8–12 × $2^1/_2$–$3^1/_2$ luteol.

36. *Carpini Betuli* (M. V. n. 734) ut n. 15.

37. *Artemisiæ camphoratæ*: ut. n. 49.

38. *Vitis viniferæ*: acerv. cortic. vals. bullato-prominulis; ostiol. 3–4–exarat.; a. p. s. 35–40 × 7–8; sp. 8–12 × 2–3 luteol.

Ab hac eadem protea specie forte specifice non differunt meæ *V. Ailanthi* et *V. arundinacea*.

81. **Valsa** (Eutypa) **aneirina** (Somm.) Sacc. M. V. n. 735 – *Sphæria aneirina* Somm. Lapp. 208 – *Diatrype aneirina* Fr. – Erb. critt. ital. ser. II n. 144.

Hab. in cortice Populi nigræ *a Vittorio*, Oct. 1875.

Obs. Pluribus notis cum *Valsa* (Cryptosphæria) *millepunctata* Grev. congruit. Hanc genuinam legi *a Selva* in ramis corticatis Populi nigræ.

82. **Valsa** (Eutypa) **leucostroma** Mtgn. Syll. 219. – M. V. n. 736.

Hab. in sarmentis emortuis Smilacis Alpini in Horto botanico Patavino, Apr. 1876.

Obs. Acervuli corticales, prominuli, epidermide a disco pertusa cincti, quandoque confluentes, macula stromatica nigra inter acervulos varie diffusa; ostiola rotundata lævia; asci clavati, longe stipitati, p. s. 35–40 ≈ 7–8, 8spori; sporidia disticha, 9–11 ≈ 2–2$^3/_4$, botuliformia, luteola, 2guttulata.

83. **Valsa** (Eutypa) **heteracantha** Sacc. Myc. Ven. 129, t. XIV f. 35–42. Legi, præter matrices l. c. et in F. V. ser. IV p. 15 indicatas, in ramis Coronillæ Emeri, Clematidis Vitalbæ, Evonymi europæi, Tiliæ europeæ, Hederæ Helicis, Smilacis Alpini. Statum ejus macroconidicum sub nomine Graphii fasciculati (M. V. n. 738) inter fungos inferiores describam.

84. **Valsa** (Euvalsa) **ceratophora** Tul. – Sacc. Myc. Ven. 133. Præterquam in Quercu et Castanea, legi quoque in ramis *Rhois glabræ* (M. V. n. 937 – a. 40 ≈ 6; sp. 8–11 ≈ 1$^3/_4$–2) – *Coryli Avellanæ* (a. 38–40 ≈ 5; sp. 8–10 ≈ 1$^1/_2$–2, hyalina) – *Fraxini Orni* (a. 30–35 ≈ 5; sp. 8–10 ≈ 1) – *Mori albæ* (a. 35 ≈ 5; sp. 10 ≈ 1–1$^1/_4$) – *Ulmi campestris* (a. 38 ≈ 4–5; sp. 10 ≈ 1) – *Carpini Betuli, Pruni domesticæ, Aceris campestris, Alni glutinosæ, Photiniæ glabræ, Persicæ vulgaris,* formas inter se parum diversas – Verisimiliter hæc species est typus a quo plurimæ species originem ducunt, e. g. *V. Verrucula* Nke, *V. Vitis* Fckl., *V. fallax* Nke, *V. Rubi* Fckl., *V. Rosarum* DNtrs, *V. Schweinizii* Nke etc.

85. **Valsa** (Euvalsa) **Vitis** Fckl. – Sacc. Myc. Ven. 133 t. XIII f. 19–21 – M. V. n. 186 – Secundum cl. Cooke in *Grevillea* 1877 p. 125, hæc non est *Sphæria Vitis* Schweiniz Syn. Fung. Carol. sed nova species, cui *Valsæ vitigeræ* nomen tribuit. Ad quod observandum est illustrem Nitschke (Cfr. Pyr. Germ. 191) duo specimina originalia Schweinizii observavisse, cum specie Fuckelii perfecte convenientia. An igitur Schweiniz duas species uno nomine confudit? Ceterum et ipse legi (*a Selva,* Sept. 1875) in ramis Vitis Valsæ speciem acervulis bullato-pustulatis, ostiolis sul-

catis etc. (quæ notæ veram *V. Vitis* Schw. spectant ex Cooke), sed hanc sub maxime protea *Valsa ludibunda* mea locandam esse puto (Vid. p. 18 n. *38*).

86. **Valsa** (Euvalsa) **Schweinizii** Nke Pyr. germ. 191 – *Sphæria corniculata α salicina* A. S. Nisk. 20.

Hab. in ramis corticatis Salicis Capreæ *a Conegliano*, Decem. 1876 (Spegazzini).

Obs. Asci oblongo-clavati, 35 × 6–6½, 8spori; sporidia disticha botuliformia, 10–12 × 1½–2, hyalina. Affinis *Valsæ Verruculæ* Nke.

87. **Valsa** (Euvalsa) **coacta** Sacc. et Speg. Peritheciis in acervulos minutos vix elevatos, cortice interiore hinc inde nidulantes, monostiche aggregatis, globoso-depressis, ostiolis cylindraceis vertice rotundato lævique pertusis, convergentibus, disco minuto nigro, subcirculari (diam. vix ½ mill.) periderma circum circa arcte adhærens perforante, vix exserto; ascis clavatis 30–35 × 5, sessilibus, aparaphysatis, 8sporis; sporidiis irregulariter distichis, botuliformibus, curvulis, 8–10 × 2–2¼, hyalinis.

Hab. in ramis corticatis Fici Caricæ *a Susigana*, Nov. 1876 (Spegazzini).

Obs. Cum *Valsa sycina* Mtgn. Syll. 221 (quæ forte forma *Valsæ ceratophoræ* Sacc.) nullum commune habet. A *Valsa ceratophora* Tul., cui affinior, disco minuto non exserto arcte cincto, pustulis non prominulis recedit.

88. **Valsa** (Euvalsa) **Spegazziniana** Sacc. M. V. n. 749. Peritheciis hinc inde monostiche aggregatis, cortice nidulantibus epidermidemque pustulatim elevantibus, globulosis, atris; collis elongatis convergentibus in ostiola rotundata disculum subcirculare vix exsertum efficientia, desinentibus; ascis fusoideis, 40–50 × 7–8, aparaphysatis, octosporis; sporidiis distichis, botuliformibus, 10–13 × 1½ –2, 2-guttulatis, perfecte hyalinis – Peritheciorum contextus laxe cellulosus, olivaceo-fuscus.

Hab. in ramis corticatis Evonymi europæi *a Conegliano*, Febr. 1876 (Spegazzini).

89. **Valsa** (Euvalsa) **affinis** Nke. Fckl. Symb. myc. 199.
Hab. in ramulis Coryli Avellanæ *a. Conegliano* Nov. 1876 (Spegazzini).
Obs. Asci oblongo-clavati, 18–22 × 6, octospori; sporidia botuliformia, minutissima, 5–6 × $1^1/_2$, 2-guttulata, hyalina – A *Valsa Fuckelii* Nke, cui affinis, ascis sporidiisque conspicue minoribus recedit.

90. **Cryptovalsa Rabenhorstii** (Nke) Sacc. Myc. Ven. 135 t. XIV f. 17–20 (sensu ampl.). Sequentes formas, inter se nulla nota essentiali recedentes, observavi:

1. *Cratægi Oxyacanthæ*, corticola; asc. p. s. 80–90 × 15; sp. 14–15 × $3^1/_3$–4, olivac.
2. *Tamaricis gallicæ*, corticola; a. p. s. 80 × 14; sp. 14 × $3^1/_2$, oliv.
3. *Coryli Avellanæ*, corticola; a. p. s. 80 × 15; sp. 13–14 × 3, flav.
4. *Rhois radicantis* corticola; a. p. s. 70–80 × 12; sp. 12–14 × 3, lutesc.
5. *Ulmi campestris*, corticola; a. p. s. 70–80 × 15; sp. 15–16 × 3–$3^1/_2$, lutesc.
6. *Vitis viniferæ*, corticola; a. p. s. 80 × 14; sp. 14 × 3, oliv.
7. *Rhamni Frangulæ*, corticola; a. p. s. 75 × 15; sp. 15–17 × $3^1/_2$, lutesc.
8. *Fagi sylvaticæ*, corticola; a. p. s. 80 × 14; sp. 15 × 3, lutesc.
9. *Corni sanguineæ*, corticola; a. p. s. 70 × 14; sp. 14–15 × $3^1/_2$, lutesc.
10. *Carpini Betuli*, corticola; a. p. s. 70–80 × 15; sp. 15–16 × 3, lutesc.
11. *Berberidis vulgaris*, corticola; a. p. s. 80 × 14–15; sp. 15 × 3–$3^1/_2$, lutesc.
12. *Ailanthi glandulosæ*, corticola; a. p. s. 90 × 18; sp. 15–16 × $3^1/_2$–4, oliv.
13. *Pruni spinosæ*, corticola; a. p. s. 70 × 18; sp. 14–16 × $3^1/_2$–4, oliv.
14. *Mori albæ*, corticola; a. p. s. 60–70 × 14; sp. 14–16 × 3–$3^1/_2$, oliv.

15. *Robiniæ Pseudacaciæ*, corticola; a. p. s. 70–80 × 15; sp. 15–16 × 3, oliv.
16. *Salicis citellinæ*, corticola; a. p. s. 70–80 × 15; sp. 15–18 × 3–3½, oliv.
17. *Rosæ caninæ*, corticola; a. p. s. 90 × 12–14; sp. 13–14 × 3½, oliv.
18. *Populi angulatæ*, corticola; a. p. s. 80–90 × 15; sp. 15 × 3½, oliv.
19. *Ribis rubri*, corticola; a. p. s. 90 × 8; sp. 15 × 3½, oliv.
20. *Rhois glabræ*, corticola; a. p. s. 80–90 × 15; sp. 14–16 × 3½–4, oliv.
21. *Fici Caricæ*, ligno immersa; a. p. s. 75 × 15; sp. 15 18 × 3½, oliv.
22. *Celtidis australis*, ligno immersa sed et corticola; a. p. s. 100 × 15–18; sp. 14–15 × 3½–4 olivacea.

Obs. In his omnibus formis perithecia globosa, intus, nitida, diam. ¾ mill., nunc subsolitaria, nunc Valsæ vel Eutypæ ad instar acervata, nunc seriatim disposita, modo corticolæ, modo ligni basi insculpta, modo (sed multo rarius) omnino ligno immersa. Stroma nigrescens inter perithecia excurrens plus minus manifestum. Ostiola vertice rotundata, pertusa, lævia v. rugulosa, numquam vere sulcata. Ad formam 10 spectat verisimiliter *Sph. depressa* Mtgn. Syll. 232., Ces. DNtrs Schema. 203. Et ad formam 21 pertinet, ni fallor, *Sphæria elevata* Bk. Curr. Linn. Trans. XXII t. 47 fig. 109 = *Eutypa elevata* Berk., Cooke IIndb. 801. Typus speciei est n. 15 (Cfr. Sacc. Myc. Ven. 135) – *Cr. Pruni* Fckl. Symb. App. I. 33. spectat sine dubio ad nostram formam n. 13, nec forte tute distinguenda est mea *Cr. arundinacea* M. V. n. 210 et F. V. Ser. IV p. 17.

91. **Cryptovalsa Nitschkii** Fckl. Symb. Myc. 212 (sensu ampl.) – Sacc. Mycol. Ven. 134, t. XIV. f. 14–16. Sequentes formas examinavi.

1. *Crataegi Oxyacanthæ*: a p. s. 90–100 × 10; sp. 10–11 × 2, lutesc.
2. *Coryli Avellanæ*: a, p. s. 80–90 × 7–8; sp. 9–11 × 1¾–2, lutesc.

3. *Ligustri vulgaris*: a. p, s. 60–65 ≈ 8; sp. 10 ≈ 2, luteol.
4. *Iuglandis regiæ*: a. p. s. 80 ≈ 10; sp. 10 ≈ $1^1/_2$–2, luteol.
5. *Carpini Betuli* (M. V. n. 209): a. p. s. 80–90 ≈ $8^1/_2$–9; sp. 10–11 ≈ 2, luteol.
6. *Ulmi campestris*: a. p. s. 70–75 ≈ 9; sp. 10 ≈ 2, lutesc. oliv.
7. *Quercus pedunculatæ*: a. p. s. 60 ≈ 8–10; sp. 9–11 ≈ 2, oliv.
8. *Paliuri aculeati*: a. p. s. 50–60 ≈ 10; sp. 10–12 ≈ 2, oliv.
9. *Salicis vitellinæ*: a. p. s. 75–85 ≈ 10; sp. 9–10 ≈ $1^1/_2$–2 lutesc.
10. *Salicis purpureæ*: a. p. s. 75–80 ≈ 9–10; sp. 10–12 ≈ $2^1/_2$, oliv.
11. *Ampelopsidis hederaceæ*: a. p. s. 80 ≈ 8–9; sp. 9–10 ≈ 2–$2^1/_4$, oliv.
12. *Castaneæ vescæ*: a. p. s. 70–80 ≈ 8–9; sp. 10 ≈ $1^3/_4$ 2, oliv.
13. *Fraxini Orni*: a. p. s. 70 ≈ 7–8; sp. 10 ≈ $1^1/_2$–2 lutesc.

Obs. Omnes hæ formæ sistunt speciem unicam, æque ac præcedentem, variabilem. Ab hac præsens præcipue differt peritheciis constanter minoribus (diam. $^1/_3$–$^1/_2$ mill.), ascis sporidiisque dimidio angustioribus.

An a præsenti specie rite separandæ sint *C. protracta* (Nke), *C. ampelina* (Nke) et *C. effusa* Fckl. dubitare licet.

92. **Diatrypella verruciformis** (Ehrh.) Nkr. f. **Spegazziniana** M. V. n. 771 – acervulis sæpius longitudinaliter seriatis; ascis clavatis, deorsum maxime attenuatis, p. s. 80 ≈ 14, apice obtusiusculo, myriosporis; sporidiis botuliformibus, minutis, 6 ≈ 1, curvulis ex olivaceo hyalinis.

Hab. in culmo putri Arundinis Donacis *a Conegliano*, Iunio 1876 (Spegazzini).

Sect. 2. Phæosporæ Sacc.

93. **Hypoxylon** (Euhypoxylon) **luridum** Nke., Sacc. F. V. ser. IV. 22 – f. **minus**: acervulis constanter minoribus; a. p. s. 70–80 ≈ 7; sporidiis octonis oblique monostichis ovoideis inæquilateralibus, 9–11 ≈ 5–6, 2-guttulatis, fuligineis, quandoque (an ex ascis secedentibus?) muco hyalino parce involutis.

Hab. in ramis corticatis Populi nigræ *a Vittorio,* Oct. 1875.

94. **Hypoxylon** (Epixylon) **Bagnisii** Sacc. sp. nov. Acervulis subglobosis, superficialibus, basi coarctatis, superne complanato-convexis, minutis, $2^1/_2$–$2^3/_4$ mill. diam., atrorufis, intus nigrescentibus, stromate parco, ideoque a peritheciis fere omnino constantibus; peritheciis in quoque acervulo paucis (7–10), majusculis, diam. $^1/_2$–$^3/_4$ mill., verticaliter ovoideis, vertice conoideis papillatisque; ascis cylindricis fasciculatis, 90 ≈ $4^1/_2$, p. s. 70 lga, stipitatis, paraphysatis, 8sporis; sporidiis monostichis, oblongo-coffeiformibus, 9–10 ≈ 4, 2-guttatis, fuligineis.

Hab. in ramis corticatis fagineis *a S. Onofrio* prope Romam, socia *Quaternaria Persoonii* Tul. (C. Bagnis).

Obs. Ab. *H. Botry* Nke peritheciis papillatis, ab *H. cohærente* (Pers.) Fr., acervulis minoribus, atrorufis, basi coarctatis, sporidiis minoribus etc. differt.

95. **Thamnomyces hippotrichoides** (Web.) Ehrenb. – Cooke Hndb. p. 792 – Sacc. F. V. ser. V. 184.

Obs. In ligno putri abietino *a Selva* legi specimina perfecte fertilia. Stromata filiformia, tortuosa, plerumque indivisa, nitida, aterrima, summo apice (conidiophoro?) pallida, 6–8 cent. lga, medium versus peritheciophora. Perithecia prominentia, globosa, papillata, carbonacea. Asci cylindrici longiuscule stipitati, apice rotundati, 80–100 ≈ 6, p, s. 70 lga, paraphysibus veris nullis, octospori. Sporidia oblique monosticha, oblongo-fusoidea, inæquilateralia, 12–15 ≈ 5,

2–3-guttata, fuliginea. – Conidia nondum observare contigit. A genere *Xylaria* nulla essentiali nota differt, immo *X. filiformi* (A. S.) Fr. affinis.

96. **Anthostoma** (Euanth.) **Venetum** Sacc. Perithecis laxe gregariis ligno immutato v. parum infuscato immersis, globosis, diam. $^1/_4$ mill., aterrimis, ostiolo conoideo-truncato, ligni superficiem attingente, dein perforato; ascis cylindraceis, 120–130 × 18, breviter stipitatis, apice tunica integra crassiuscula truncatis, octosporis; sporidiis, oblique monostichis, ovato-oblongis, 30 × 12–13, utrinque obtusiusculis, crasse 1–3-nucleatis (nucleis quandoque oblique rimosis), intense fuligineis.

Hab. in ligno putrescente Pyri v. Mali *a Conegliano,* socia *Propoli versicolori* Fr. f. *lactea,* Nov. 1876 (Spegazzini).

97. **Anthostomella rostrispora** (Ger.) Sacc. – *Sphæria rostraspora* W. R. Gerard in Just bot. Iahresb. II. 302.

Hab. in foliis putrescentibus Castaneæ vescæ *a Conegliano* Nov. 1876, rarissime (Spegazzini).

Obs. Asci cylindrici, 91–115 × 5, octospori; sporidia monosticha, oblongo-ellipsoidea, 9–14 × 4, 2-guttulata, fuliginea, utrinque rostro curvo hyalino aucta, rostro inf. 7 lgo, superiore 5 lgo.

E brevi descriptione Gerard l. c. nostra videtur cum *S. rostraspora* convenire, sed hujus specimina nondum vidi. *S. bicalcarata* Ces. in Hedw. 1872 p. 181 peraffinis quoque videtur, sed cl. Niessl (N. u. k. Pyren. p. 9) eam ad genus Diaporthe ducit.

98. **Anthostomella Olearum** Sacc. et Speg. Perithecis innatis, sparsis, epidermide tumidula et leniter nigrificata velatis, globulosis, breve papillatis, subcarbonaceis; ascis cylindricis, longiuscule attenuato-stipitatis, 130–150 × 7–9, apice tunica integra, paraphysibus filiformibus spuriis obvallatis, octosporis; sporidiis recte monostichis, ellipsoideis, utrinque obtuse rotundatis, 12–15 × 6–7, saepe 2-guttatis, exappendiculatis, fuligineis.

Hab. in cortice duriore Oleæ europeæ *a Conegliano*, Dec. 1876 (Spegazzini).

Obs. Ab affinibus *A. Pœtschii* Niessl (N. u. k. Pyr. 41), *A. umbrinella* (DNtrs.) Sacc. et *A. perfidiosa* (DNtrs.) Sacc. præcipue sporidiis exappendiculatis differt; magis accedit ad *A. clypeatam* (DNtrs.) Sacc., quæ ascis subclavatis, peritheciis distincte clypeatis satis recedere videtur.

99. **Rosellinia Sylvana** Sacc. F. V. ser. II p, 329.

Obs. Iterum legi in sylva *Montello*, Sept. 1876, hanc speciem eximiam et optime evolutam. Asci cylindraceo-clavati 150 × 10–11, noduloso longiuscule stipitati, paraphysibus filiformibus obvallati, octospori; sporidia monosticha, initio cylindracea, flexa (more *Lasiosphæriæ*) 25 × 5, granulosa, hyalina; dein sursum incrassata pariter hyalina, postremo ut l. c. descripsi.

100. **Rosellinia apiculata** Sacc. sp. nov. Peritheciis superficialibus, dense gregariis, carbonaceis, globosis diam. $^1/_3$–$1/_2$ mill., obtuse papillatis, rugulosis, glabris; ascis cylindraceo-clavatis, deorsum attenuato-stipitatis, 70 × 8–10, p. s. 40 lga, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, oblongo-ovoideis, 7–9 × 4–$4^1/_2$, 1–2-guttulatis, fuligineis, basi appendicula hyalina obtusa brevi auctis – Habitus fere *R. pulveraceæ v. Melanommatis Pulveris pyrii*.

Hab. in ligno putri quercino in sylva *Montello*, Sept. 1876.

101. **Sordaria curvula** de Bary, Wint. d. Sord. 37 cum icone.

Hab. in fimo equino et vaccino *a Conegliano*, Nov. 1876 (Spegazzini).

102. **Sordaria fimicola** (Rob.) Ces. et. DNtrs., Wint. d. Sord. 17 cum. icone.

Hab. in fimo equino *a Conegliano*, Dec. 1876 (Spegazzini).

103. **Sordaria lanuginosa** (Pr.) Sacc. – *Sphæria lanuginosa* Pr. in Linn. 1853. XXVI. 714 – *Arnium lanuginosum* Nke – *Sordaria Curreyi* Awd., Niessl.

Beitr. 42 (teste ipso) – *Sphœria* (Sord.) *Brassicæ* Kl. – Affinis quoque *Sph. caudata* Curr. Linn. Trans. XXII. 320 t. 58 fig. 50, quæ sporidiis minoribus gaudet.

Hab. in lignis putrescentibus Ulmi, Sambuci, in caulibus Helianthi, Saponariæ etc. *a Selva* et *Conegliano*, aut. 1875–76 (Sacc. et Speg.)

Obs. Asci cylindracei, p. s. 150–160 × 20–24, octospori; sporidia ovato-ellipsoidea, 40–45 × 22–24, opace fuliginea, utrinque v. basi tantum hyalino-caudata.

104. **Chætomium Fieberi** Cda – Sacc. F. V. Ser. V. 173 – f. **lignicola, chlorina** M. V. n. 906.

Hab. in lignis udis *a Padova*, Octobr. 1876.

Obs. Pili perithecii simplices recti vel apice hamosi, asperuli, successive flavi, chlorini, olivacei, atri. Asci clavati stipitati! p. s. 35–40 × 15, stipite 20 lgo, octospori; sporidia disticha limoniiformia 12 × 8, olivaceo-fuliginea. – A *Chæt. pannoso* Wallr. (sec. Niessl. in F. E. n. 3026) præcipue pilis simplicibus neque refracto-ramosis differt. An ex ætate?

105. **Melanospora vervecina** (Dmz.) Fckl. Symb. 126 – *Sphœria vervecina* Dmz. in Ann. Sc. nat. 1842 XVII p. 103, cum icone!

Hab. in culmo udo Arundinis Donacis *a Conegliano,* Dec. 1876 (Spegazzini).

Obs. Perithecia fulvo-fuliginea, mulliuscula, rostrata, rostro apice exquisite penicillato; sporidia ovato-limoniiformia 18–22 × 12–14, 1-guttulata, fuliginea.

106. **Physalospora Festucæ** (Lib.) Sacc. – *Sphœria Festucæ* Lib. Exs. n. 246, sec. specimen ab ill. Cooke comm. – *Sphœria sancta* Rehm et Thüm. Myc. Univ. et in Giorn. bot. ital. 1876 p. 252. – *Sphœrella Festucæ* Awd. Myc. Eur. 16 fig. 111. – Cfr. Sacc. F. V. ser. II. 309 sub *Pleosp. pyrenophoroide* Sacc.

Hab. in vaginis foliisque Phragmitis, in culmis Andropogonis et Scirpi Holoschæni in agro Tarvisino, autumno 1874–75.

Obs. Ascorum fabrica cum Pleosporeis satis congruit. Cfr. Niessl, N. k. Pyren. 11.

Sect. 3. Hyalosporæ Sacc.

107. **Gnomonia leptostyla** (Fr.) Ces. et DNtrs Schema 232 – Rabh. F. E. n. 1943, Thüm. Myc. Univ. n. 454.

Hab. in foliis putrescentibus Juglandis regiæ *a Conegliano*, Dec. 1876 (Spegazzini).

Obs. Asci subclavati 60–70 × 12–14. aparaphysati, octospori; sporidia oblique monosticha vel disticha, curvula, 20–22 × 4, 1–septata, vel tenuiter 3–septata, 4–guttulata, hyalina.

108. **Gnomonia devexa** (Dmz.) Awd. Myc. Eur. 23 fig. 58. 126. 137 – *Plagiostoma Euphorbiæ* Fckl. Symb. 118 – Oudem. F. N. n. 81 et Aanw. Myc. Nederl. 7. t. III. fig. 5 – Rabh. F. E. n. 2046.

Hab. in caulibus Euphobiæ dulcis putrescentibus *a Selva*, Apr. 1877.

Obs. Asci clavati, apice subtruncati lumineque 2–foveolati, p. s. 50 × 14, deorsum attenuati octospori; sporidia fusoidea curvula v. recta, medio constricta, 18–20 × 4, 4–guttulata, utrinque breviter apiculata, hyalina; peritheciorum ostiola rectiuscula. Iiæ notæ perfecte cum *Gnomonia Amygdalinæ* Fckl. Symb. 121 quadrant, sed et hæc lusus v. status junior *Gnom. devexæ* habenda videtur. Icon in Oud. l. c. statum provectum sistit.

109. **Hypospila quercina** Fr. – M. V. n. 912 – *Sphæria brifons* Kze et Schm.

Hab. in foliis dejectis Quercus pedunculatæ *a Conegliano*, Majo 1876 (Spegazzini).

Obs. Secundum cl. Winter in litt. hæc species eadem est ac *Sphæria Pustula* Pers. seu *Gnomonia Pustula* Awd. – Asci subclavati, 70–80 × 12, octospori; sporidia cylindraceo-fusoidea, 20 × 4, curvula, tenuiter 3–septata, 4–guttulata, hyalina.

110. **Diaphorte** (Sclerostr.) **sulphurea** Fckl. Symb. 105 *D. affinis Sacc. Peritheciis corticolis, in acervulos sparsos valseos monostiche aggregatis, epidermide ele-

vata medioque fissa cinctis, globosis, nigris intus nitidis, stromate furfuraceo lutescente junctis; contextu perithecii distincte cellulari fuligineo; ostiolis cylindraceis, vertice conoideis, peridermium parum excedentibus; ascis fusoideis, 110–120 × 20, apice subtruncatis luminique coarctato v. obsolete bifoveolato, aparaphysatis, octosporis; sporidiis distichis oblongis, 25–30 × 10–12, rectis curvulisve, constricto–2–septatis, 2–guttulatis, granulosis, hyalinis, initio appendiculâ cylindraceâ hyalina utrinque auctis.

Hab. in ramulis Coryli Avellanæ *a Conegliano*, Majo 1876 (Spegazzini).

Obs. A *D. sulphurea* Fckl. præcipue differt sporidiis utrinque rotundatis, crassioribus, stromate obscuriore, an satis?

111. **Diaporthe** (Tetrastagon) **circumscripta** Otth, Fckl. Symb. 207.

Hab. in ramis putrescentibus Sambuci nigræ *a Conegliano*, Ian. 1877 (Spegazzini).

Obs. Quum cortex secedit, ligni superficies lineis tortuosis inscripta conspicitur. Asci fusoidei, apice lumine 2–foveolato, 50–60 × 8, aparaphysati, octospori; sporidia disticha cylindraceo-fusoidea, utrinque obtusiuscule rotundata, 15 × 4, constricto–1–septata, 4–guttulata, hyalina.

112. **Diaporthe** (Tetrastagon) **Coneglanensis** Sacc. et Speg. sp. nov. Peritheciis sparsis, cortici immutato immersis lineaque nigra maxime tortuosa per lignum excurrente limitatis, globosis, brevissime papillatis, nigris; ascis fusoideis 50–65 × 6–8, aparaphysatis, octosporis; sporidiis distichis breve fusoideis utrinque obtusiusculis, 14–16 × 3–4, constricto–1–septatis, 4–guttulatis, hyalinis.

Hab. in ramis Aesculi Hippocastani, rarius, *a Conegliano*, Ian. 1877 (Spegazzini).

113. **Diaporthe** (Tetrastagon) **Corni** Fckl. Symb. 207.

Hab. in ramulis corticatis Corni albæ *a Selva*, Oct. 1876, raro.

114. **Diaporthe** (Euporthe) **Australis** Sacc. et Speg. sp.

nov. Peritheciis sparsis ligno subimmutato immersis v. saltem basi infossis, et tunc cortice parum mutato partim exceptis, linea nigra sinuosa per lignum excurrente limitatis, globosis; ostiolo cylindraceo vix peridermium superante; ascis fusoideis, 50–60 × 7–10, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis breviter fusoideis, 14–16 × $3^1/_2$–5, medio constrictis, 3–septatis, septis extimis tenuioribus, 4–guttulatis, hyalinis.

Hab. in ramis putrescentibus Celtidis australis *a Conegliano,* Ian. 1877 (Spegazzini).

Obs. Ad sectionem *Tetrastagon* quoque vergit.

115. **Diaporthe** (Euporthe) **extorris** Sacc. sp. nov. Peritheciis cortice immutato tectis, ligno omnino v. ad medium immersis, globosis, nigris, linea stromatica nulla manifesta limitatis; ostiolo cylindraceo-conoideo, peridermium vix superante; ascis subclavatis, 80 × 12, subsessilibus, apice subtruncatis lumineque bifoveolato, aparaphysatis, octosporis; sporidiis distichis vel oblique monostichis, oblongo-fusoideis, 16–18 × 7–8, rectis, curvulisve, utrinque obtusiusculis, medio constricto–1–septatis, 4–guttulatis, hyalinis.

Hab. in ramis corticatis Chimonanthi fragrantis Patavii, Martio 1877.

Obs. Hæc quoque ad *Tetrastagon* nutat.

116. **Cryptosporella** Sacc. nov. gen. Peritheciis valsiformiter aggregatis, corticolis; ascis octosporis, aparaphysatis; sporidiis ovatis v. fusoideis, continuis, hyalinis. – A genere *Crytospora* (sporidiis vermicularibus limitato) mea *Cryptosporella* facillime dignoscitur. Ad hoc idem genus quoque spectant: *C. hypodermia* (Fr.) – *C. aurea* (Fckl.) – *C. Æsculi* (Fckl.) – *C. populina* (Fckl.) – *C. sphærostoma* (Nke, sub *Valsa*) – *C. compta* (Tul. sub *Valsa*) – *C. Daldiniana* (DNtrs. sub *Endothia*) – *C. Ehrenbergii* (Tul. sub *Valsa*) – *C. foraminula* (Pers. apud Curr. Comp. Sph. n. 131 fig. 127) – *Sphæria Limminghii* West. Prodr. Fl. Bat. p. 47 (in Ulmo) forte eadem est ac *C. hypodermia* (Fr.) – His addenda est species nova sequens:

Cryptosporella Veneta Sacc. Peritheciis corticolis, hinc inde in acervulos valseos, epidermide tumidula cinctos circinato-aggregatis, globosis, intus nitidis; ostiolis longiusculis, apice incrassatis, in fasciculum vix emergentem convergentibus; ascis fusoideis aparaphysatis, 110 × 20, octosporis; sporidiis imbricato-distichis, fusoideis rectiusculis, utrinque acutis, 35 × 10, granuloso-guttulatis, hyalinis.

Hab. in ramis Populi Tremulæ *a Conegliano*, Iunio 1876 (Spegazzini).

Obs. Ab affini *C. Æsculi* (Fckl. sub *Cryptospora*, Symb. p. 193) differt sporidiis majoribus, ostiolisque minus exertis, crassioribusque.

Sect. 4. Didymosporæ Sacc.

117. **Ditopella fusispora** DNtrs. Sf. ital. n. 48 – *Cryptospora suffusa, minor, polyspora* Tul. Carp. II. 145 – *Sphæria ditopa, polyspora* Cooke Hndb. p. 888.

Hab. in ramulis Alni glutinosæ *a Conegliano*, Dec. 1876 (Spegazzini).

Obs. Asci oblongo-clavati, apice rotundati, subsessiles, 80–90 × 16–20, aparaphysati, polyspori; sporidia fusoidea, rectiuscula, utrinque acutata, 15 × $2^1/_2$–3, 1–septata, non constricta, 4–guttulata, hyalina.

118. **Endothia gyrosa** (Schw.) Fckl., Sacc. Myc. Ven. 146 t. XIV. f. 63, 65.

Obs. Pluries legi et in Castanea. Cl. Spegazzini *a Conegliano* in Quercu legit pulchram hujusce formam ostiolis cylindraceis, elongatis, tortuosis, amæne crocatis summoque vertice nigris – Apud omnes formas asci cylindraceo-clavati apice obtusati, 35–40 × 7–8, aparaphysati, octospori; sporidia, oblongo-ovoidea vel subfusoidea, 7–9 × 3, hyalina plasmate denique bipartito, non vere 1–septata visa.

119. **Valsaria insitiva** Ces. et DNtrs, Sacc. Mycol. Ven. 148 t. XV. f. 5, 10 – M. V. n. 238–244 – F. V. ser. IV. 20.

Obs. I. Præterquam in matricibus l. l. c. c. indi-

catis, legi quoque in ramis Celtidis australis, Hibisci syriaci, Chimonanthi fragrantis cum micropycnidiis ut in ser. IV. 20. descripsi), Rhois glabræ, Amorphæ fruticosæ, Corni sanguineæ, Aceris campestris, Fraxini Orni, Sambuci nigræ, Solani Dulcamaræ.

Obs. II. *Valsaria donacina* (Fr.) Ces. et DNtrs, Sacc. Myc. Ven. 149, lecta est quoque a Spegazzini *a Conegliano*, Oct. 1876. – Sporidia ellipsoidea, 15–16 × 7–8. 2-guttata, fuliginea, perfecte ut in *V. insitiva* a qua hæc species vix differt.

Obs. III. Ad hanc speciem vulgo citatur *Sphæria insitiva* Tode Meckl. II p. 36 t. XIII fig. 108, sed hæc, meo sensu, perfecte refert *Cryptovalsam ampelinam* Nke.

120. **Didymosphæria nitidula** Sacc. sp. nov. Peritheciis sparsis, e globoso depressis, $^3/_4$–1 mill. diam., cortice innatis et epidermide tumidula nigrificata nitidissima, medio perforata, velatis, ostiolo subimpresso pertuso; ascis cylindricis prælongis, p. s. 150 × 10–12, breviter stipitatis apice tunica integra rotundatis, paraphysibus filiformibus guttulatis, octosporis; sporidiis oblique monostichis, oblongo-fusoideis, 25–26 × 10, rectis curvulisve, utrinque acutiusculis, constricto-1-septatis, granulosis, olivaceo-fuligineis.

Hab. in ramulis corticatis Carpini Betuli in sylva *Montello*, Aug. 1876.

Obs. Habitu perfecte cum *Clypeosphæria Notarisii* Fckl. et *Anthostomella nitidula* Sacc. convenit sed sporidia distincte constricto-bilocularia.

121. **Didymosphæria socialis** Sacc. F. V. ser. II. 324 *D. nobilis: differt sporidiis longioribus, nempe 18–20 × 5–6, medio distincte constrictis, 4-guttulatis v. 2-nucleatis, fuligineis.

Hab. in ramis corticatis Lauri nobilis *a Conegliano*, Oct. 1876 (Spegazzini).

122. **Amphisphæria Spegazziniana** Sacc. sp. nov. Peritheciis dense gregariis, superficialibus v. basi breviter insculptis, e globoso depressis, diam. $^1/_1$ mill.,

carbonaceis, rugulosis, brevissime et applanato-papillatis; ascis cylindraceis breve stipitatis 80–85 × 8–9 apice membrana integra truncatis, paraphysibus filiformibus crebris obvallatis, octosporis; sporidiis distichis v. oblique monostichis, breve fusoideis 15–18 × 5–5¼, constricto–1–septatis granulosis, olivacco-fuscis – Habitus *Melanommatis Pulvisculæ* (Curr.)

Hab. in ligno decorticato putri Pyri *a Conegliano*, Apr. 1876 (Spegazzini).

123. **Eriosphæria pomiformis** (Pers.) Sacc. – *E. raripila* Sacc. F. V. ser. II. 326 – *Sphæria pomiformis* Pers., Plowr. S. B. n. 68 – *Melanomma pomiformis* Nke, Rehm Asc. n. 36.

Obs. Perithecia juvenilia globosa, conico-papillata, et pilis conidiophoris vestita ut l. c. descripsi; conidia initio, ut descripta, h. e. subglobosa 5–6 × 4–5, hyalina, sed tandem fusca 1–2-guttulata. Perithecia senio glabrescunt et sæpius, collabescendo, umbilicata fiunt, quo statu *Sph. pomiformem* sistunt. Optime ascophoram et conidiophoram legit in ligno Ulmi *a Conegliano,* am. Spegazzini, glabrescentem et partim umbilicatam legi ipse in ligno Juglandis Patavii Ian. 1876. Etiam sporidiorum fabricâ species hæc a *Melanommate* valde distat et, si glabra, potius cum *Amphisphæria* jungenda.

– var. **minor**: peritheciis subdistantibus, minoribus, (jugiter?) papillatis; ascis cylindricis 90–8; sporidiis 12 × 5–6½, 2-guttulatis hyalinis. – In ligno populeo Patavii, Ian. 1877.

124. **Venturia chlorospora** (Ces.) Karst. Myc. Fenn. II. 189 – M. V. n. 910.

Hab. in foliis putrescentibus Quercuum *a Conegliano, Colfosco,* Majo 1876 (Spegazzini).

Obs. Perithecia globulosa, 50 diam., laxe cellulosa pilis rigidulis aterrimis basi incrassatis, 40–50 × 4, undique, præcipue vertice, vestita. Asci cylindraceo-clavati, 50 × 8, paraphysibus nullis visis, octospori. Sporidia subdisticha, oblongo-ovata, 8–10 × 4–5, bilocularia vix constricta, amœne luteola.

125. **Venturia ditricha** (Fr.) Karst Myc. Fenn. II. 188 – *Sphæria ditricha* Fr. Syst. Myc. II. p. 515 – *Vermicularia ditricha* Fr. Summa Veget. Scandinav. p. 420.

Hab. in pagina sup. foliorum Betulæ albæ prope *Conegliano,* Aug. 1876 (Spegazzini).

126. **Stigmatea Robertiani** Fr. Summa 421 – M. V. n. 909.

Hab. in foliis adhuc vivis Geranii Robertiani *a Conegliano, Padova,* aut. 1876 (Speg. et Sacc.).

Obs. Perithecii contextus *minutissime* cellulosus, *nucleus albus;* asci obclavati, sessiles, 40–45 × 12, *paraphysibus* spuriis obvallati, octospori; sporidia disticha oblongo-ovata, constricto-1-septata loculo superiore crassiore, 13–14 × $4^1/_2$, *flavo-olivascentia.* – Notis cursive impressis satis a genere *Sphærella* differt.

127. **Sphærella Tyrolensis** Awd. Myc. Eur. 20 f. 94 – *S. Polypodii* a. Fckl. Symb. 162 – ***S. montellica** Sacc.; a typo differt sporidiis majoribus constrictisque.

Hab. in maculis rufescentibus paginæ superioris Polypodii vulgaris in sylva *Montello,* Oct. 1876.

Obs. Asci clavati, p. s. 50 × 14, apice obtusati, octospori; sporidia disticha, fusoidea, 18–20 × $7^1/_4$–$8^1/_2$, recta curvulave, 1-septata, leniter constricta, 2-nucleata, v. pluriguttulata, hyalina. – *Sphæria Polypodii* Rabh., sec. Awd. l. c. ad *Leptosphæriam* spectat.

128. **Sphærella Ariadna** Sacc. sp. nov. Maculis vagis, arescendo dealbatis, linea rufa cinctis; peritheciis in macula gregariis innato-erumpentibus, globulosis, 40–50 diam., punctiformibus, ostiolo impresso pertuso; ascis obovatis, basi acutatis, apice rotundatis 20–25 × 12–14, aparaphysatis, octosporis; sporidiis 2–3-stichis, cylindracco-fusoideis, 12–14 × $3^3/_4$–4, utrinque obtusiusculis, constricto-1-septatis, minute 4-guttulatis, hyalinis.

Hab. in foliis Coronillæ Emeri languidis, in sylva *Montello,* Oct. 1875.

Obs. Cum *Sphærella Emeri* Ces. in Rabh. F. E.

n. 1950 nil commune habet; potius *Sphærellæ minori* Karst. Fenn. II. 171 cognata.

129. **Sphærella crassa** Awd. Myc. Eur. 7. fig. 29.

Hab. in pagina superiore foliorum Populi albæ *a Conegliano,* Oct. 1876 (Spegazzini).

Obs. Asci ovato-clavati, p. s. 65 × 15–16, aparaphysati, octospori; sporidia 2–3-sticha, oblonga, 22–25 × 6–7, constricto-1-septata, loculo superiore crassiore, minute vage pluriguttulata, hyalina. A diagnosi Awd. l. c. recedit sporidiis paululo maioribus.

130. **Sphærella clymenia** Sacc. sp. nova. – M. V. n. 908 – Maculis amphigenis subrotundis ochraceis v. subgriseis, fusco-cinctis; peritheciis remote sparsis e globoso lenticularibus, diam. 70–80, punctiformibus, ostiolo impresso pertusis; ascis clavulatis, 40–50 × 10, aparaphysatis, octosporis; sporidiis distichis oblongo-clavulatis, 14–16 × $3^1/_2$–4, bilocularibus, loculo sup. leniter crassiore, ad septum subconstrictis, 4-guttulatis, hyalinis.

Hab. in foliis Loniceræ Caprifolii, socia *Phyllosticta vulgari* f. *Loniceræ* Dmz (non Auct. quæ *Leptothyrium pictum* B. Br. sistit), in sylva *Montello,* Sept. 1876.

Obs. Phyllosticta nunc citata, quæ *Sphærellæ* spermogonium habenda est, præbet spermatia oblonga, 6–7 × $2^1/_2$, 2-guttulata, hyalina.

131. **Sphærella morphæa** Sacc. sp. nov. Peritheciis gregariis, punctiformibus e globoso lenticularibus, innato-erumpentibus, $^1/_{10}$ mill. diam., ostiolo plano pertuso; perithecii contextu laxe celluloso fuligineo; ascis clavatis, tortuosis, subsessilibus 70 × 12–13, aparaphysatis, octosporis; sporidiis subdistichis ovato-fusoideis, 15–20 × 6–$7^1/_2$, rectis curvulisve, 1-septatis, valde constrictis 4-guttulatis granulosis hyalinis.

Hab. in stigmate capsularum Papaveris somniferi dejectarum *a Conegliano,* Aug. 1876.

Obs. Cum qua specie comparari possit, ignoro.

132. **Sphærella mediterranea** Sacc. sp. nova. Maculis vagis, arescendo candidis brunneo-cinctis; peritheciis

sparsis epidermide velatis dein erumpentibus e globoso-lenticularibus, punctiformibus, $^1/_6$–$^1/_8$ mill. diam., basi hyphulis vestitis, vertice obtusis, pertusis, contextu laxe parenchymatico fuligineo; ascis cylindraceis apice rotundatis, brevissime stipitatis, 90–100 × 12–14, aparaphysatis, octosporis; sporidiis distichis fusoideis rectis curvulisve, 22–25 × 7, 1–septatis, non constrictis, sæpius 4–guttulatis, hyalinis.

Hab. in pag. super. foliorum languescentium Nerii Oleandri *a Sermide*, (Mantova), Majo 1876 (Com. A. Magnaguti-Rondinini).

Sect. 5. Phragmosporæ Sacc.

133. **Ceriospora Dubyi** Niessl N. k. Pyr. p. 9. – *Sphæria ceriospora* Duby in Rabh. Herb. Myc. ed. I. n. 1937 – *Sphærella ceriospora* Awd. Mycol. Eur. p. 14 fig. 57 (mala).

Hab. in sarmentis Humuli Lupuli putrescentibus *a Selva*, Sept. 1876.

Obs. Asci cylindracei, 110 × 17, deorsum paulum attenuati, apice, lumine coarctato, crassiuscule tunicati, subtruncati, aparaphysati; sporidia disticha fusoidea, curvula, 40–42 × 10, grosse 2–guttata, 1–septata, non constricta, subhyalina, utrinque mucrone cuspidato hyalino, 10 × 1, aucta. Perithecii contextus rufescens.

***Ceriospora xantha** Sacc. ut præcedens, sed asci 150 × 12; sporidia 40–42 × 7–8, distincte 3–septata, 4–guttulata, flava, utrinque similiter hyalino–cuspidata; perithecii contextus lutescens.

Hab. in sarmentis Clematidis Vitalbæ *a Conegliano*, Aug. 1876 (Spegazzini).

Obs. Invito cl. Niesslio l. c., suspicor cum Awd. Ceriosporæ sporidia perfecte matura 3–septata esse, ut in mea forma *xantha*.

134. **Rebentischia Massalongi** (Mtgn.) Sacc. Consp. Gen. pyr. 12 – *Sphæria Massalongi* Mtgn. Syll. 237, Sacc. Myc. Ven. 99.

Hab. in cortice Aceris campestris *a Conegliano*, Dec. 1876 (Spegazzini).

Obs. Sporidia clavato-pyriformia, 5–6-locularia, ad septa non v. lenissime constricta, loculis superioribus, 25–28 ≈ 8–8½, ex olivaceo fuscis, 4–5-guttulatis, loculo infimo, 10 lgo, caudiformi obliquo, hyalino. *R. pomiformis* Karst. Fenn. II. 97 non v. vix differt.

135. **Leptosphæria Ægira** Sacc. et Speg. nov. spec. Maculis epiphyllis arescendo cinerascentibus, vagis; peritheciis sparsis, punctiformibus, globoso-lenticularibus, vix papillatis, pertusis; ascis cylindraceis subclavatis, 75–80 ≈ 10–12, breve crasseque stipitatis, apice rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis, breve fusoideis, 25–28 ≈ 7, 3–septatis, loculo superiore pænultimo leniter crassiore, flavis.

Hab. in foliis languidis Populi albæ *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Cum *Lept. Alcide* Sacc. F. V. ser. V. 176 non comparanda.

136. **Leptosphæria Vincæ** (Fr.) Sacc. – *Sphærella Vincæ* (Fr.) Awd. Myc. Eur. p. 10 fig. 49 (immat.) – Sacc. Myc. Ven. p. 209.

Obs. Iterum legi et evolutam in sylva *Montello*, Aug. 1876 – Sporidia cylindracea utrinque obtusiuscula, curvula, 15 ≈ 4, matura tenuiter 3–septata, 4–guttulata, subhyalina.

137. **Leptosphæria modesta** (Druz.) Awd. – *L. Cibostii* DNtrs. Micr. Dec. VII. fig. 8. – f. *Cynanchi Vincetoxici:* ascis clavatis 80–90 ≈ 10–12, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis fusoideis curvulis, 27 ≈ 4, 4–5–septatis, loculo subintermedio crassiore, flavis.

Hab. in caule Cynanchi putri *a Conegliano*, Dec. 1876 (Spegazzini).

Obs. A *Lept. modesta* vera videtur differre species homonyma in *Erb. criti. ital.* ser. II. n. 591, Parmæ lecta in caulibus Scabiosæ Columbariæ a cl. prof. J. Passerini. Hæc differt præcipue sporidiis utrinque appendiculâ hyalinâ obtusâ 4 lgâ auctis,

cæterum similiter 5–locularibus, loculo secundo crassiore, 35 × 5, flavis; ascis clavatis crasse stipitatis 70–80 × 14, octosporis; perithecis erumpentibus globoso-depressis, subumbilicatis. Hæc *L. Passerinii* dicenda.

138. **Leptosphæria littoralis** Sacc. sp. nova. Perithecis sparsis, innatis, globulosis, diam. $^1/_4$–$^1/_3$ mill., nigris, ostiolo brevi cylindraceo, obtuso, pertuso erumpente; ascis crasse cylindraceis 150–170 × 30, brevissime subnoduloso-stipitatis, apice obtusatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis, crasse fusoideis, 45 × 15–18, rectis curvulisve utrinque obtusiusculis, 7–8–locularibus, ad septa constrictis, loculis transverse pluriguttulatis olivaceis.

Hab. in calamis Scirpi cujusdam *al Lido* prope Venetias, æstate 1875 (Spegazzini).

Obs. Perithecii contextus laxe cellulosus fuligineus – Species prædistincta!

139. **Leptosphæria Convallariæ** (Fckl.) Sacc. – *Pleospora Convallariæ* Fckl. Symb. 138.

Hab. in caule putri Convallariæ multifloræ *a Conegliano*, Iunio 1876 (Spegazzini).

Obs. Asci cylindraceo-clavati, 65–75 × 10–12, paraphysati, octospori; sporidia disticha, fusoidea, curvula, utrinque acutiuscula 25–26 × 4, 4–septata, sæpe guttulata, hyalina. Huic affinis *L. Lathyri* Sacc.

140. **Leptosphæria suffulta** (Nees) Niessl in Rabh. F. E. n. 1549 – M. V. n. 923.

Hab. in ramulis Melampyrorum *a Conegliano* et in sylva *Montello*, Aug. 1876 (Speg. et Sacc.).

Obs. Peraffinis *L. Doliolo* (Pers.) Ces. et DNtrs.

141. **Leptosphæria obesa** (Dur. et Mtgn.) Sacc. – *Sphæria obesa* Dur. et Mtgn. Fl. Alg. 526 t. 27. fig. 3!

Hab. in caule Eupatorii cannabini *a Conegliano*, Oct. 1876 (Spegazzini).

Obs. Asci mox diffluentes clavati 160 × 20, octospori; sporidia in genere maxima, fusoidea utrinque attenuata, 55–58 × 10–12, 6–8–septata, loculo intermedio longiore obeso, saturate flavo, cæteris sensim pallidioribus. Species prædistincta.

142. **Leptosphæria Fiedlæri** (Niessl) Sacc. – *Cryptospora Fiedlæri* Niessl in Hedw. 1874 p. 42.

Hab. in ramulis Corni sanguineæ *a Conegliano,* Iul. 1876 (Spegazzini).

Obs. Asci clavati, 100–110 × 18, deorsum attenuati, apice rotundati, paraphysibus copiosis filiformibus obvallati, octospori; sporidia oblique monosticha v. disticha, cylindraceo-fusoidea, curvula, 26–32 × 6–7½, 3–septata, ad septa constricta, chlorino-hyalina.

143. **Leptosphæria riparia** Sacc. sp. nov. Peritheciis gregariis, punctiformibus, e globoso conoideis, 1/10 mill. diam., initio epidermide tumidula velatis dein erumpentibus; ascis clavatis, 50–60 × 14, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis, fusoideis, 28–30 × 6, curvulis, 5–6–septatis, ad septum medium leniter constrictis, 6–7–guttulatis flavo-ochraceis.

Hab. in calamis Iunci effusi *a Selva*, Sept. 1875.

Obs. Habitu *Lept. hydrophilæ* Sacc., fructificatione *Lept. culmicolæ* (Fr.) Karst. et *Lept. culmifragæ* (Fr.) Ces. et DNtrs affinis.

144. **Leptosphæria fuscella** (B. et Br.) Ces. et DNtrs Schema 236 – *Sphæria fuscella* B. et Br. Brit. fung. n. 636 t. XI fig. 20, *non* Sacc. Mycol. Ven. p. 96, quæ *Leptosphæria vagabunda* Sacc. F. V. ser. II. p. 318.

Hab. in sarmentis putrescentibus Ruborum a *Conegliano,* Oct. 1876, socia *Diplodia Rubi* Fr. (Spegazzini).

Obs. Asci cylindrici, 100 × 9–10, breve crassiuscule stipitati, octospori; sporidia oblique monosticha, ovoidea vel ellipsoidea, 15 × 9, 3–septata, ad septa tandem leniter constricta, rarissime accedente septulo uno alterove longitudinali, olivacea. – Bene convenit cum speciminibus nomine *Sphæriæ fuscellæ* B. et Br. a cl. Niessl communicatis.

145. **Clypeosphæria Notarisii** Fckl. Symb. 117., Sacc. Myc. Ven. 210. *Sphæria clypeiformis* DNtrs, Erb. critt. ital. ser. I. n. 47. – f. *Castaneæ vescæ.*

Hab. in ramulis corticatis Castaneæ vescæ *a Colfosco*, Sept. 1876.

Obs. Asci cylindracei, 100–120 × 9–10, paraphysibus filiformibus obvallati, octospori; sporidia oblique monosticha, oblongo-cylindracea, curvula, utrinque rotundata. 20–24 × $6^1/_2$–$7^1/_2$, 3–septata, non constricta, 4–guttulata, olivaceo-fuliginea,

146. Massaria fœdans Fr., Fckl Symb. 152 – *M. amblyospora* Bk., Fresen. t. VII. f. 24–33. – *M. inquinans* DNtrs. in Atti congresso Milano 1844 cum icone. *nec* Tode – f. *faginea*.

Hab. in ramulis fagineis *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Species plerumque in Ulmo occurrit, sed etiam cl. Crouan (Fl. Finist. 31) in Fago legit. – Asci clavati crassi, 150–200 × 25–30, obtuse stipitati, apice obtusati, paraphysibus copiosis filiformibus obvallati, octospori; sporidia disticha oblongo-clavata 40–45 × 18, 2-septata, ad septa leniter constricta, loculo superiore multo crassiore, 3-guttata, fuliginea, stratu mucoso obducta.

147. Massaria Æsculi Tul. Carp. II. 227 – Fckl. Symb. App. I. 302.

Hab. in ramis Æsculi Hippocastani *a Conegliano*, Iunio 1876 (Spegazzini).

Obs. Asci clavati, paraphysati, 100–110 × 30, 5–8–spori; sporidia oblongo-clavata, 50 × 18–22, 3–4–septata, ad septa, præcipue medium, constricta, fuliginea, stratu mucoso obvoluta.

148. Massaria Platani Ces. in Rabh. F. E. n. 323.

Hab. in ramulis Platani orientalis *a Conegliano* et *Padova*, aut. 1876.

149. Massaria inquinans (Tode) Fr. *M. callispora Sacc.; perithecis sparsis ligno basi adnatis, corticeque secedente superficialibus, globulosis, $^3/_4$ mill. diam., atterrimis, pachydermaticis, ostiolo breve conoideo; ascis amplis, clavatis, apice rotundatis, crasse tunicatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis cylindraceo-oblongis, utrinque rotundatis, 80 × 21, re-

ctis, 3–septatis, non constrictis, stratu hyalino exigu cinctis, fuligineis, loculis guttam maximam globosam marginatam subroseam (denique subrhomboideam) foventibus.

Hab. in ramis Aceris campestris, *a Conegliano,* Iunio 1876 (Spegazzini).

Obs. Prima fronte pro *Caryospora* habui, sed initio certe cortice tecta est. Affinior forte *M. gigasporæ* Fckl. Sym. App. II. 28. fig. 7, sed et hæc probabiliter *M. inquinantis* varietas.

150. **Massaria eburnoides** Sacc. Peritheciis sparsis cortice pustulatim elevato nidulantibus, subglobosis $^1/_2$–$^3/_4$ mill. diam., pachydermaticis, atris, ostiolo brevissime papillato vix erumpente; ascis cylindraceis, breve stipitatis, apice rotundatis, 120–130 × 18–20, paraphysibus filiformibus copiosis obvallatis, octosporis; sporidiis distichis, breve crasseque fusoideis, utrinque rotundatis, rectis curvulisve, 30–32 × 12–15, 3–septatis, ad septa, præcipue medium, constrictis grosse3–guttatis, hyalinis, stratu mucoso crassiusculo obductis – Sporidiorum guttæ tandem evanescunt, stratusque hyalinus obsolescit. Peritheciorum contextus densus, minutus, ater.

Hab. in ramulis corticatis emortuis Coryli Avellanæ *a Conegliano* Iunio 1876 (Spegazzini). – Præclara species.

151. **Melanomma fallax** Sacc. *) nov. spec. Peritheciis laxe gregariis, superficialibus v. basi ligno leviter insculptis, glabris, e globoso depresse conoideis, diam. $^1/_3$ mill., carbonaceis, aterrimis, ostiolo breve papillato; ascis clavato-cylindraceis breve stipitatis, 100–110 × 9–10, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis v. oblique monostichis, fusoideis rectis curvulisve 20–25 × 5–$7^1/_2$, utrinque acutatis, 3–5–septatis, 4–6–guttulatis, hyalinis.

Hab. in ligno denudato quercino *a Selva,* Aug. 1875, rarius.

*) In *Hedwigia* 1875 n. 5 (F. V. ser. III) perperam dixi *Melanomma* simplici *m* (a νομας) scribendum; nam ab ὄμμα (aspectus) originem ducit, ergo duplici *m* scribendum; nec non e genere neutro nec femineo habendum.

Obs. Affine *Melanommati conico* Fckl., Symb. 160, a quo præcipue ascis sporidiisque crassioribus, brevioribusque satis differt.

152. **Botryosphæria** (Lisea) **nemorosa** Sacc. sp. nova. Perithecii erumpenti-superficialibus, in soros parvos aggregatis v. subsparsis, globulosis $^1/_8$–$^1/_6$ mill. diam., obtuse papillatis dein umbilicatis, atris, contextu amœne atrocyaneo laxe celluloso; ascis fusoideis, subclavatis, subsessilibus, aparaphysatis, 70 × 10–12, initio lumine apice coarctato-foveolato (Nectriæ ad instar); sporidiis octonis oblique monostichis vel distichis, breve fusoideis, 14–16 × 6–6$^1/_2$, raro usque 7$^3/_4$, constanter constricto–1–septatis, loculo superiore paululo crassiore, hyalino–farctis initioque minute 4–guttulatis.

Hab. in ramulis Cytisi nigricantis in sylva *Montello,* Oct. 1876, raro.

Obs. Diu hæsi an potius ut forma *B. pulicaris* considerarem hanc speciem; legi enim in ramulis Gleditschiæ formam sporidiis sæpe 1–septatis, sed intermixtis normalibus 3–septatis. Præsens tamen sporidiis jugiter didymis peritheciisque obscurioribus lævioribus satis recedere videtur. *B. Vitis* Niessl Beitr. 48 huic peraffinis videtur, sed descriptio incompleta.

153. **Botryosphæria advena** Ces. et DNtrs Schema 212 – *Dothidea advena* Ces. Erb. critt. ital. ser. I. n. 495 – *D. melanops* Tul. – *Melanops Tulasnei* Fckl. Symb. 225.

Hab. in ramis corticatis quercinis *ad Altichiero* (Padova) Iunio 1876, ascophora; *a Conegliano,* æst. 1876, stylosporea (Spegazzini).

Obs. Asci magni, clavati, 150 × 25, apice lumine leniter coarctato, breve crasse stipitati, paraphysibus filiformibus obvallati, octospori; sporidia disticha oblongo–rhombea, 40–44 × 15, guttulata, nubilosaque hyalina; stylosporæ in peritheciis distinctis fusoideo–elongatæ, 45–50 × 12, granulosæ, hyalinæ. *)

*) In animo est genus *Botryosphæria*, elementis nimis heterogeneis conflatum, sequenti modo distinguere. I. *Botryosphæria:* perithecii contextu rigidulo, fuligineo-atro; sporidiis ex ovato rhomboideis hyalinis continuis (num matura septata fiant, iterum dubito). Huc *B. Bérenge-*

154. **Lophiostoma quadrinucleatum** Karst. Myc. Fenn. II. 85, Sacc. F. Ven. ser. III. p. 4. – *L. rophaloides: a typo (Cfr. Karst. l. c.) præcipue recedit sporidiis paulo minoribus subclavulatis, h. e. deorsum leniter attenuatis, 22–25 × $6^1/_2$–8, fuligineis; ascis clavatis 110 × 12–14, copiose paraphysatis.

Hab. in ligno nigrificato Castaneæ vescæ *a Selva*, Sept. 1875.

155. **Lophiostoma excipuliforme** (Fr.) Ces. DNtrs Schema 219.

Hab. in cortice duriore populino v. salicino *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Asci cylindracei apice rotundati, breviter stipitati, 250 × 25–30, paraphysibus filiformibus obvallati, octospori; sporidia monosticha ellipsoideo-oblonga, maxima, 68 × 23, 5–septata, non constricta, intense fuliginea, polis pellucidis. – Affine *L. Balsamiano* DNtrs.

156. **Lophiostoma perpusillum** Sacc. n. sp. Peritheciis foliicolis, gregariis, innato-erumpentibus, globoso-lenticularibus, diam. $^1/_5$ mill., nigris, ostiolo brevi, compresso, latiusculo; ascis cylindraceis subsessilibus, 70 × 8, paraphysibus filiformibus copiosis obvallatis, octosporis; sporidiis oblique monostichis breve fusoideis rectis curvulisve, 10 × 3 nucleo bipartito, hyalinis.

Hab. in foliis emortuis putrescentibus Caricum in sylva *della Fontana* prope Mantuam, Martio 1876 (Com. A. Magnaguti-Rondinini).

Obs. Affine *L. pusillo* Fckl. Symb. App. II. 29, sed rite distinctum.

157. **Lophiostoma** (Schizostoma) **Montellicum** Sacc.

riana DNtrs., *B. advena* Ces., *B. pustulata* Sacc. etc. — II. *Giberella*, n. g.: perithecii contextu molliusculo amœne cyaneo vel violaceo; sporidiis ex ovoideo fusoideis, 3-pluriseptatis, subhyalinis. Huc *G. pulicaris* (Fr.) — III. *Lisea*, n. g.: peritheciis præcedentis; sporidiis didymis, subhyalinis. Huc *L. nemorosa* Sacc., *L. Vitis* (Niessl). — *Gibbera Winteri* Rehm Asc. n. 86. sporidiis bilocularibus subhyalinis accedit, sed perithecii contextus atro-fuscus; an Otthia? — *Giberella* et *Lisea* ad Hypocreaceas forte aptius ducenda sunt; *Botryosphœria*, sic limitata, cum Sphæriaceis manebit.

sp. nov. Peritheciis sparsis, superficialibus v. basi insculptis, globosis, majusculis diam. $^3/_4$ mill., carbonaceis, aterrimis, ostiolo compresso valido, basi sæpe coarctato ambitu truncato; ascis cylindraceis, v. subclavatis, 200 × 20, basi nodulosa brevissime stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis, fusoideis, 38–44 × 12–14, rectis curvulisve, utrinque obtusiusculis, 1–septatis ad septum lenissime constrictis, obsolete granulosis, fuligineis.

Hab. in cortice duriore udo quercino in sylva *Montello,* Sept. 1876.

*L. **vicinum**: a typo præcipue differt ascis conspicue minoribus, nempe 90–110 × 12–14; sporidiis quoque minoribus, 30 × 9–11, rarius 20 × 12, plerumque 4–guttatis nec non rarissime extra ascos tenuiter 3–septatis, pariter fuligineis.

Hab. in cortice duriore quercino in sylva *Montello,* Sept. 1875.

Obs. Species et subspecies cum generis formis mihi notis nihil commune habent.

158. **Pseudovalsa lanciformis** (Fr.) Ces. et DNtrs Schema 206 – M. V. n. 928 – *Sphæria lanciformis* Fr. Syst. Myc. II. 362.

Hab. in ramulis Betulæ albæ *a Susigana,* Sept. 1876 (Spegazzini).

Obs. Sporidia pulchra, octona, fusoidea, 40–50 × 15, utrinque obtusiuscula, 5–septata, grosse 6–guttata, fusca.

159. **Pseudovalsa hapalocystis** (B. et Br.) Sacc. – *Sphæria hapalocystis* B. et Br. Mag. of. N. H. ser. II. 317 cum ic. – *Calospora hapalocystis* Nke, Fckl. Symb. 191 – f. **minor**.

Hab. in ramis corticatis Platani orientalis *a Padova,* Martio 1877.

Obs. Specimina mea ascis cylindraceis 150 × 12; sporidiis minoribus nempe 15–18 × 7–8, plerumque 3–septatis, muticis (pariter fuligineis) a typo desciscunt, sed differentiæ forte e statu nondum bene evoluto v. anormali pendent.

Sect. 6. Scolicosporæ Sacc.

160. **Linospora Caprææ** (DC.) Fckl. Symb. 124 – *Isothea saligna* (Ehrh.) Berk., Cooke Hndb. p. 932.

Hab. in foliis putrescentibus Salicis caprææ *a Conegliano*, Aug. 1876 (Spegazzini).

Obs. Asci cylindrici, deorsum leniter attenuati 150 × 6–7, aparaphysati, octospori; sporidia filiformia rectiuscula, 100–120 × $1^1/_2$–2, continua, hyalina.

161. **Linospora Carpini** Schröt. in Rabh. F. E. n. 2132 et in Hedwigia 1876 p. 119 – M. V. n. 911.

Hab. in foliis putrescentibus Carpini Betuli *a Conegliano*, Apr. 1876 (Spegazzini).

Obs. Singulare! Hæc nobilis species eodem mense detecta est in agro Veneto a Spegazzinio atque in agro Badensi a Schrötero. – Asci cylindrici, angustissimi, 70–80 × 3–4, octospori, aparaphysati; sporidia filiformia tenuissima, 70 × $^1/_3$ continua, hyalina.

162. **Linospora Magnagutiana** Sacc. n. spec. Peritheciis gregariis sparsis in maculis amplis expallentibus, epiphyllis e globoso lenticularibus, diam. $^1/_5$ mill., aterrimis, ostiolo depresse papillato, nitidis; perithecii contextu indistincte cellulari, carbonescente; ascis copiosissimis, fasciculatis, cylindricis deorsum attenuatis, 110–120 × 4, aparaphysatis, octosporis; sporidiis filiformibus, rectiusculis, 100–110 × $^3/_4$, eguttulatis, continuis, hyalinis.

Hab. in foliis Sorbi torminalis languidis ad pag. super. in sylvula *della Fontana* prope Mantuam, April. 1873 (Com. A. Magnaguti-Rondinini).

Obs. Species peritheciis stromate fere destitutis habituque proprio a cæteris facile dignoscenda.

163. **Lasiosphæria ovina** (Pers.) Ces. et DNtrs. Schema 229. – *Sphæria ovina* Pers. Syn. fung. p. 71.

Hab. in ligno alneo putrescente *a Conegliano*, Dec. 1876 (Spegazzini).

Obs. Pulcherrima species, rara apud nos. – Asci cylindraceo-fusoidei 240–270 × 15–20, apice coarctato-

truncati, aparaphysati, octospori; sporidia 2–3–sticha vermicularia, curvata, 35–45 × 5, continua, granulosa, subhyalina.

164. **Lasiosphæria minuta** Fckl. Symb. 148 – Sacc. F. V. ser. II. 317. – *L. **scleracantha**: peritheciis sparsis, superficialibus, globoso-conoideis, diam. 120-130, numquam cupularibus visis, undique setis rigidis, aterrimis, acutatis, 60–90 × 3–4, vestitis; ascis clavatis, deorsum attenuatis, 110–120 × 14, octosporis, aparaphysatis; sporidiis distichis v. 3–stichis cylindraceo-fusoideis, curvulis, utrinque obtusiusculis, 50–52 × 5, initio pluriguttulatis denique 9–10–septatis, non constrictis, hyalinis.

Hab. in ligno putrescente fagineo in sylva *Cansiglio*, Oct. 1875.

Obs. A typo præsertim peritheciis non collabescentibus, sporidiisque longioribus non constrictis differt.

165. **Lasiosphæria hispida** (Tode) Fckl. *L. **ambigua**: peritheciis sparsis, superficialibus, globoso-conoideis, carbonaceis, ostiolo acutiusculo, undique pilis septatis laxis basique repentibus vestitis; ascis cylindraceis, 150–170 × 13-16, paraphysibus filiformibus obvallatis, octosporis; sporidiis cylindraceis, 50–70 × 5–6, apicem versus ellipsoideo-incrassatis, ibique 7–8 micr. crassis, initio granulosis hyalinis, dein 6–8 septatis, dilute fuscis, parte incrassata quoque 1–3–septata.

Hab. in ligno quercino in *s. Montello* et in ligno fagineo in *s. Cansiglio*, aut. 1874-76.

Obs. An lusus *L. hispidæ?* An sporidia *Lasiosphæriarum*, more *Bombardiæ* (uti monuit Cl. Winter in Hedw. 1874, p. 56, f. VI), ubi perfecte matura, ovoidea fusca hyalinoque appendiculata fiunt? Huic adde quod ipse in *Rosellinia Sylvana* (Cfr. retro sub. n. 99 p. 26) sporidia initio vermicularia observavi; quod ill. Montagne in Fl. Alg. t. 27 fig. 1, tribuit *Sphæriæ hirsutæ* sporidia ovata fusca, postremo quod plures *Sordariæ* species sporidiis initio plus minus vermicularibus hyalinis gaudent (Cfr. Wint. deut. Sordar t. IX et X).

Sect. 7. Dictyosporæ Sacc.

166. **Teichospora seminuda** (DNtrs) Sacc. – *Sphæria seminuda* DNtrs Micr. ital. dec. VII. n. 4, cum ic. an Pers.?, non *Trematosphæria seminuda* Fckl. Symb. p. 162.

Hab. in cortice duriore quercino *a Conegliano*, April. 1876 (Spegazzini).

Obs. Perithecia basi matrici insculpta, conoidea, carbonacea, atra; sporidia ellipsoidea, 23 × 12, 5–septata denseque muriformia, flavo-fuliginea.

167. **Teichospora ignavis** (DNtrs) Karst. Myc. Fenn. II. 65 – *Cucurbitaria ignavis* DNtrs Sfer. ital. 61 t. 58 – *Teichospora Morthieri* Fckl. Symb. 161 (teste Karst. l. c.)

Hab. in ramis corticatis Loniceræ Caprifolii *a Conegliano*, Decembr. 1876 (Spegazzini).

Obs. Perithecia erumpentia, subglobosa, acuteque papillata; asci cylindrici paraphysibus filiformibus obvallati, 95–100 × 12, octospori; sporidia oblique monosticha, oblonga, utrinque rotundata 20–22 × 7–8, 4–5–septata muriformia, ad septa, præcipue medium, constricta, flava.

168. **Teichospora patellarioides** Sacc. nov. spec. Peritheciis gregariis v. subsparsis, superficialibus, subgloboso-conoideis, diam. ca. $^1/_3$ mill., basi applanatis vertice papillatis, tandem collabescendo patellaribus, perithecii contextu parenchymatico, molliusculo fuligineo, ima basi hyphulis brevibus subramosis fuscis cincto; ascis cylindraceo–clavatis, breve subnodoso-stipitatis, apice rotundatis, 120 × 16, paraphysibus filiformibus obvallatis, octosporis; sporidiis subdistichis, ex oblongo sub-pyriformibus, sursum crassioribus, 20–22 10–12, 3–5–septatis, muriformibusque, flavo-olivaceis.

Hab. in ligno decorticato dealbato Populi nigræ *a Migliaretto* prope Mantuam, Apr. 1875 (Com. A. Magnaguti-Rondinini).

Obs. l. Ab affinibus *T. obtusa* Fckl et *T. po-*

miformi Karst. præcipue sporidiis obpyriformibus recedit.

Obs. II. Specimina optima *Teichosporæ trabicolæ* Fckl in ligno juglandino legit Mantuæ Com. A. Magnaguti-Rondinini, Mart. 1875.

169. **Pleospora phragmospora** (Dur. et Mtgn.) Ces. in Rabh. F. E. n. 1543.

Hab. in foliis putrescentibus Agaves americanæ *a Posilippo* Iulio 1876 (Com. A. Magnaguti).

Obs. Perithecia foliorum parenchymati fere omnino immersa, majuscula, subcarbonacea. Asci cylindraceo-clavati 150 × 17–18, paraphysati, octospori. Sporidia monosticha ellipsoideo-oblonga, medio constricta utrinque rotundata, 27–28 × 16, 5–7-septata septis longitudinalibus pluriseriatis, aureo-fulva.

– f. **Yuccæ** M. V. n. 776: peritheciis minus immersis; ascis cylindraceo-clavatis 130 × 14–18, octosporis; sporidiis submonostichis ovato-oblongis, 25-14, 5–7-septatis, septis longitudinalibus plerumque 1-seriatis, initio aureo-lutescentibus, guttulatis dein atrofuscis – *Pl. Agaves* DNtrs Sf. ital. n. 78 vix differt.

Hab. in foliis putrescentibus Yuccæ gloriosæ *a Conegliano,* Apr. 1876 (Spegazzini).

170. **Pleospora vulgaris** Niessl N. k. Pyr. p. 27. t. IV. f. 11.

Hab. in caule Eryngii campestris, Calaminthæ, Petroselini, nec non in foliis putrescentibus Pruni domesticæ in agro Tarvisino et Patavino, non raro.

171. **Pleospora media** Niessl N. k. Pyr. p. 28. t. IV. fig. 12.

Hab. in caulibus Centaureæ Scabiosæ, Micromeriæ julianæ, Scabiosæ graminifoliæ in agro Veneto, non raro.

172. **Pleospora herbarum** (Pers.) Rabh. f. **Allii** – *P. Allii* (Rabh.) Ces et DNtrs Schema 218 – *Sphæria Allii* Rabh. Herb. Myc. ed. I. n. 838.

Hab. in vaginis foliisque Allii Cæpæ *a Vittorio e Conegliano,* aut. 1875-76.

173. **Pleospora Bardanæ** Niessl N. k. Pyr. p. 18 t. IV f. 4.

Hab. in ramulis corticatis Platani orientalis *a Conegliano*, Iun. 1876 (Spegazzini).

Obs. Perithecia epidermide velata subhemisphærica, coriacea. Asci cylindracei, 90–100 × 12, brevissime crasse stipitata, pseudoparaphysibus crassiusculis obvallati, octospori; sporidia oblique monosticha oblongo-ovata, 18 × 8–10, 3-septata, ad septa leniter constricta, septis longitudinalibus 1-seriatis, mellea. – Etsi matrix tam diversa (cl. Niessl in Lappa indicat) forma hæc a *Pl. Bardanæ* Niessl nullo charactere differre videtur.

174. **Pleospora Anthyllidis** Awd., Niessl N. k. Pyr. p. 30 t. IV f. 13. – ***P. Meliloti** – *P. herbarum* f. *Meliloti* M. V. n. 922 – Peritheciis globoso-depressis dein umbilicatis, 250–300 diam., erumpentibus; ascis clavatis maximis, 150–40, brevissime noduloso-stipitatis, paraphysatis, octosporis; sporidiis distichis, oblongis medio constrictis, utrinque obtusiusculis, 40 × 18, 9–10 crebre septatis denseque muriformibus, rufo-fuligineis.

Hab. in caulibus ramisque Meliloti officinalis *a Conegliano*, Aug. 1876.

Obs. Inter *P. herbarum* et *P. Anthyllidis* fere media, sed huic affinior.

175. **Thyridium Rousselianum** Sacc. et Speg. sp. nov. Stromate eutypeo, ligni, ceterum immutati, superficiem atroinquinante, extenso; peritheciis ligno immersis, sparsis, globosis, $^1/_2$ mill. diam., nigris, ostiolo obtuse conoideo, pertuso, ligni superficiem attingente; ascis clavatis crassiuscule stipitatis, 110–130 × 18–20, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblongis, 22–25 × 8–9, utrinque rotundatis curvulis, 5–7-septatis muriformibusque, ad septa, præcipue medium, constrictis, fuligineis.

Hab. in ligno Fici Caricæ *a Conegliano*, rarissime, Oct. 1876 (Spegazzini).

Obs. I. Hæc species verisimillime congruit cum

Sphæria anserina Rouss. in Ces. et DNtrs Schema p. 222, non cum homonyma Persoonii quæ, ex B. et Br. et Cooke Hndb. p. 879, est didymospora nempe *Valsaria anserina* (Pers.) Sacc. F. V. ser. IV p. 19.

Obs. II. Genera *Thyridium* Nke et *Fenestella* Tul., ut in præsenti definita, non vel vix inter se differentia, sequenti modo limitare propono: I. *Fenestella*, stromate valseo; II. *Thyridium*, stromate eutypeo, cum ceteris characteribus utroque generi communibus. Tali limitatione, generi *Fenestellæ* addendæ sunt species valseæ, jam *Thyridio* adscriptæ, sequentes: *F. vestita* (Fr.) – *F. tumida* (Pers.) – *F. rostrata* (Fckl.) – Generi autem *Thyridio*, præter speciem ante descriptam, addendum est, ut opinor, *Th. cingulatum* (Mtgn. et Fr.) seu *Sphæria cingulata* Mtgn. et Fr. in Ann. Sc. nat. 2. I. p. 340 t. 12 fig. 3 – Sylloge p. 234, nec non huic valde affine *Th. lividum* (Fr.) seu *Sphæria livida* Fr. S. M. II. 479, Ces. DNtrs. Schema 222 seu *Teichospora livida* Karst. Myc. Fenn. II. 68 – nec *Sph. livida* Dur. et Mtgn. Fl. Alg. t. 26 fig. 5 (sporidiis 1–septatis hyalinis, minutis).

176. **Capnodium elongatum** Bk. et Dmz., Cooke Hndb. p. 933 – M. V. n. 1098.

Hab. in foliis Tussilaginis Farfaræ *a Conegliano*, Sept. 1876 (Spegazzini).

177. **Capnodium Footii** Bk. et Dmz., Cooke Hndb. p. 933 et F. B. ed. II. n. 292 – M. V. n. 1099 – *Microxyphium Footii* Harw. – Thüm. F. A n. 191.

Hab. in foliis coriaceis Fici, Cassines Mauroceniæ etc. in calidariis Horti Patavini, Ian. 1876.

Hypocreaceæ DNtrs.

178. **Eleutheromyces subulatus** (Tode) Fckl. Symb. Myc. 183. – *Sphæronema subulatum* (Tode) Fr. – *Sphæria subulăta* Tode.

Hab. in Agaricis putrescentibus *a Susigana*,

Nov. 1876, socia sæpius *Isaria brachiata* (Batsch) Schm. (Spegazzini).

Obs. Asci cylindraceo-fusoidei, fluxiles, 50 × 4, octospori; sporidia disticha, cylindraceo-oblonga, 5–6 × $1^3/_4$–$2^1/_2$, hyalina, utrinque setulâ subæquilongâ tenuissimâ aucta.

179. **Nectriella Rousseliana** (Mtgn.) Sacc. – *Nectria Rousseliana* Mtgn. Syll. p. 224 – M. V. n. 687 – *Stigmatea Rousseliana* Fckl. Symb. 97.

Hab. in foliorum pag. inf. Buxi sempervirentis *a Selva, Padova*, aut. 1875-76.

Obs. I. Asci subclavati, deorsum attenuati, apice obtusati, 60 × 7–8, aparaphysati, octospori; sporidia disticha, breve fusoidea, 15 × 5, continua farcta, hyalina. Perithecii contextus molliusculus roseus, interdum roseo-virens.

Obs. II. Genus *Nectriella* Sacc., non Fckl., sistit Nectriæ species sporidiis absolute unicellularibus instructas, e. g. *N. Rousseliana*, *N. perpusilla* (Mtgn. Syll. p. 225) et plures exoticæ.

Obs. III. *Nectria Rousseliana* in Cooke F. B. ed. II. n. 478 et in Plowr. S. B. II. 8, ad *Sphærellam Buxi* (DC.) Awd. M. E. p. 2 fig. 42 spectare mihi videtur. Observandum tamen quod et vera *S. Buxi* potius Hypocreaceis adscribenda sit; certe ejus perithecii contextus mollior, roseus, flavicans vel rufus, asci et sporidia nectriacea fingunt ferme *Nectriellam* subcutaneam. Hæc quoque frequens est *a Padova e Selva*.

180. **Nectria sanguinea** (Sibth.) Fr. S. V. S. p. 388 – Rabh. F. E. n. 1829.

***N. laurina**: peritheciis distincte ovato-conoideis, non collabescentibus, sanguineis; ascis cylindraceis 40–6, octosporis; sporidiis oblongis, curvulis, 14 × 3–$3^1/_2$, tenuiter 1-septatis, non constrictis, hyalinis.

Hab. in ramulis putrescentibus Lauri nobilis *a Selva*, Aug. 1875, socia *Chætopsi stachyobola* Cda.

Obs. A *Sphærostilbe coccophila* Tul. – Erb. cr. ital. ser. II. n. 542 – plurimum differt.

181. **Nectria Mantuana** Sacc. sp. nov. Peritheciis gregariis, superficialibus, e globoso depressis, vertice demum leviter umbilicatis, diam. 150 micr., rufis, undique breve sed distincte albido-pilosis, contextu laxiuscule cellulari, sordide carneo; ascis cylindraceo-clavatis, 80–90 × 7, deorsum attenuatis, apice, lumine initio 2-foveolato, obtusatis, pseudoparaphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis v. distichis, oblongis ad medium leniter constrictis, curvulis, 12 × $3^1/_2$–4, 4-guttulatis, dein 1-septatis, hyalinis.

Hab. in ligno decorticato populeo *a Migliaretto* (*prov. di Mantova*), Febr. 1873 (Com. A. Magnaguti-Rondinini).

Obs. Peritheciis sparsis, rufis, pilosellis, nobilis hæc species statim dignoscitur.

182. **Calonectria varians** Sacc. sp. nov. Peritheciis superficialibus, plerumque circum stroma crassiusculum pallidum aggregatis, rarius, stromate fere deficienti, subsparsis e globoso conoideis v. subangulosis, aquose carneis, lævibus, ostiolo acutiusculo, denique leviter collabescentibus; perithecii contextu distincte laxe parenchymatico, roseo; ascis cylindraceo-fusoideis, 80–100 × 12–15, deorsum attenuatis, lumine apice coarctato, aparaphysatis, octosporis; sporidiis oblique monostichis vel distichis, fusoideis, 20–24 × 7, rectis curvulisve, utrinque obtusiusculis, 3-septatis, ad septa constrictis, hyalinis.

Hab. in ramis putrescentibus corticatis Mori albæ, socia *Botryosphæria pulicari* β *moricola*, *a Selva* Aug. 1876.

Obs. Cum speciebus permultis comparavi, sed cum nulla perfecte quadrat. *C. Fuckelii* (Nke) Sacc. huic paululum accedit.

Dothideaceæ Nke

183. **Mazzantia Galii** (Guep.) Mtgn. Syll. 246.

Hab. in caulibus putrescentibus Galii sylvatici in sylva *Montello,* Sept. 1875, rarius.

184. **Euryachora Sedi** (Lk.) Fckl. Symb. myc. 220 – *Leptostroma Sedi* Lk. – *Dothidea* (Placosphæria) *Sedi* DNtrs. Comm. Critt. ital. II. 490. n. 43.

Hab. in caulibus putrescentibus Sedi maximi Romæ ad turrim Cæciliæ Metellæ (C. Bagnis).

Obs. Asci ovati, basi brevissime crassiuscule stipitati 20–25 × 10–12, octospori, aparaphysati; sporidia oblonga, 5–6 × 3, initio 2-nucleata, tandem 1-septata, loculo superiore paulo crassiore, hyalina.

185.? **Dothidea melanoplaca** Dmz. Exsicc. III. 91.

Hab. in foliis languidis Veratri nigri *a Vittorio*, Oct. 1875.

Obs. Sterilis sed stromatis structura dothideacea videtur. Cognita fructificatione, probabiliter ad *Euryachoram* v. *Phyllachoram* ducenda erit.

186.? **Dothidea lichenicola** Mass. Lich. crost. p. 45 fig. 81.

Hab. in lamina proligera Pachyosporæ viridescentis Mass. (Aspiciliæ calcareæ (L.) Körb. var.) in rupibus trachiticis collium *Euganei a S. Daniele* (Massalongo l. c.)

Obs. I. Ab *Homostegia lichenum* (Somm.) Fckl. et *H. Piggotii* (B. et Br.) Sacc. prorsus diversa.

Obs. II. Cl. Spegazzini Apr. 1876 legit *a Conegliano*, in caulibus Artemisiæ *Dothideam tetrasporam* B. et Br. perfecte ut forma in Cytiso (M. V. n. 646).

Hysteriaceæ Cda.

187. **Aporia herbarum** (Fr.) Duby. Hyster. p. 52. – *Hysterium herbarum* Fr.

Hab. in caule Silenes inflatæ in Euganeis, Mart. 1876, raro.

Obs. Perithecia minutissima, oblonga, applanata rimula percursa, erumpentia, nigra, membranacea. Asci clavati subsessiles, 30 × 10, aparaphysati, octospori; sporidia disticha, fusoidea, 8 × 3, hyalina.

188. **Aylographum vagum** Dmz. Ann. Sc. nat. XIX p. 362 – *A. Hederæ* Lib.. DNtrs, Pir. ister. p. 31 *Hysterium micrographum* DNtrs. Micr. ital. dec. IV fig. III – f. **Photiniæ.**

Hab. in foliis dejectis Photiniæ serrulatæ *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Asci oblongo-clavati, subsessiles, 23–32 × 12, aparaphysati, octospori; sporidia 2–3–sticha, oblonga, curvula, 15–17 × $3^1/_2$–4, constricto–1–septata, 4–guttulata, hyalina.

189. **Aylographum sarmentorum** DNtrs Pir. ister. p. 29 – f. **Caprifolii.**

Hab. in sarmentis emortuis Loniceræ Caprifolii *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Asci obovati, 25–30 × 18–21, brevissime crassiuscule stipitati, apice obtusissimo, tunicaque incrassata, aparaphysati, octospori; sporidia oblonga, bilocularia, 8–10 × 4, loculo superiore paulo crassiore, hyalina.

190. **Glonium interruptum** Sacc. Myc. Ven. p. 159 t. XVI f. 16–18.

Obs. Huc Mycoth. Ven. n. 715 (ex errore «G. lineare») – Ab *Gl. lineari* (Fr.) DNtrs rite diversum peritheciis brevioribus, magis tumentibus et præsertim sporidiis fere æqualiter bilocularibus, utrinque acutiusculis.

191. **Glonium lineare** (Fr.) DNtrs. f. **angustissimum** DNtrs – M. V. n. 948.

Hab. in ramis quercinis decorticatis *a Selva*, Oct. 1876.

Obs. Asci cylindraceo-clavati, 80–90 × 10–11, paraphysati, octospori; sporidia oblongo-obovata, 2–locularia, 12–15 × $5^1/_2$–$6^1/_2$, loculo superiore rotundato crassiore, inferiore obtuse acuminato, hyalina. – Hæc forma admodum differt a *G. interrupto* Sacc., sed vix recedit a vero *G. lineari* (Fr.) DNtrs.

192. **Triblidium hysterinum** Duf., DNtrs Ister. p. 15 – *Hysterium elevatum* Pers. – ***T. rhopalascum**: a typo præcipue differt ascis clavatis, 55–90 × 15–30,

(nec vere cylindraceis et ita longis ut in *Grevillea* tab. 67 fig. 3) sporidiisque distichis constricto-didymis; 28 × 12–15, 2-guttatis, fuligineis – Paraphyses apice coalescentes fuscæque.

Hab. in ligno indurato Mori albæ *a Selva*, Oct. 1876, rarius.

193. **Hysterium angustatum** A. S., Cooke Hndb. n. 2284 – *H. pulicare* var. *minus* DNtrs Ister. pag. 19.

Hab. in sarmentis putrescentibus Ruborum *a Vittorio*, Oct. 1875.

Obs. I. Ob sporidia oblonga, 16 × 4, sæpe curvula, 3-septata, ubique fuliginea (nec utrinque pallidiora), præterea ob perithecia humiliora, læviora, ramulicolas ab *Hyst. pulicare* facile dignoscitur.

Obs. II. Nuper legit cl. Spegazzini *Hysterium* (Gloniopsis) *minimum* Sacc. F. V. ser. IV. p. 27, in ramulis corticatis Fraxini Orni *a Conegliano*, Iunio 1876 – *Hysterium pulicare* Pers. subinde lectum est in Castanea, Olea (M. V. n. 710), Populo, in agro Veneto.

Obs. III. Mihi persuasum habeo *Hysterium australe* Duby (F. V. ser. IV p. 26) statum immaturum esse *Hysterii grammodes* DNtrs, seu *H. Rousselii* β *grammodes* Duby. Statu maturo legi in iisdem truncis decorticatis Oleæ europeæ in Euganeis, Martio 1876. Ejus sporidia oblongata, sæpe curvula, 25 × 8, medio leniter constricta, 4–5-septata, septis 2–4 longit., fuliginea.

194. **Mytilidion decipiens** (Karst.) Sacc. – *Lophium decipiens* Karst. Myc. Fenn. II. 246.

Hab. in ramulis Juniperi communis *a Susigana*, Nov. 1876 (Spegazzini).

Obs. Perithecia subscaphoidea, acutiuscule carinata, minuta, atra; asci cylindracei, 75 × 10–12, breve crassiuscule stipitati, octospori; sporidia subdisticha, oblonga, recta v. curvula, 15–18 × 5, utrinque obtusiuscula, 3-septata, ad septa leniter constricta, lutescentia.

195. Acrospermum compressum Tode Meckl. I. p. 8. t. II. fig. 13.

Hab. in foliis dejectis putrescentibus Oleæ europeæ *a Conegliano*, Oct. 1876 (Spegazzini).

Obs. Asci cylindracei 130 × 5, octospori; sporidia filiformia 90–100 × $^3/_4$, continua, hyalina.

196. Lophodermium juniperinum (Fr.) DNtrs, Karst. Fenn. II. 243 – M. V. n. 950.

Hab. in foliis emortuis Juniperi communis *a Conegliano*, Oct. 1876 (Spegazzini).

197. Lophodermium Epimedii (Ces.) Sacc. M. V. n. 949 – *Hysterium Epimedii* Ces. in Kl. herb. mycol. n. 1567.

Hab. in caulibus emortuis Epimedii alpini *a Susigana*, Aug. 1876 (Spegazzini).

Obs. Asci clavati 80 × 8–9, paraphysibus sursum eximie circinatis obvallati, octospori; sporidia bacillaria, 50–60 × 1 guttulata, hyalina; perithecia oblongo-lanceolata, nitidissima, nigra.

198. Lophodermium petiolicola Fckl. Symb. 255 – Sacc. Myc. Ven. p. 157. – *L. echinophilum Speg.: peritheciis, abbreviatis, subovatis, applanatis, nitidulis; ascis cylindraceo-clavatis, 110 × 6–7, octosporis; sporidiis bacillari-vermicularibus, 50 × 1–1$^1/_2$, curvatis, hyalinis.

Hab. in spinis capsularum Castaneæ putrescentium *a Conegliano*, Oct. 1876 (Spegazzini).

199. Hypoderma conigenum (Fr.) Cooke Hndb. 762.

Hab. in squamis strobilorum Pini sylvestris putrescentibus *a Susigana*, Oct. 1876 (Spegazzini).

Obs. Perithecia labiis albicantibus latiuscule hiantia, contextu tenui. Asci clavati longiuscule stipitati, 90–100 × 12–14, paraphysibus filiformibus sursum curvatis obvallati, octospori; sporidia bacillari-fusoidea, sæpe curvula, 20–22 × 2$^1/_2$–3, pluriguttulata, hyalina. – *Hysterium conigenum* Fr. el. Karsten in Myc. Fenn. II 235, ad gen. *Hysterium* trahit, sed speciem diversam procul dubio designat.

200. Hypoderma scirpinum Duby Hyster p. 41.

Hab. in calamis Scirpi lacustris prope Patavium, Iunio 1876.

201. **Hypoderma virgultorum** DC. Fl. fr. V. 165 – ***H. glandicola** Speg.: peritheciis minutis, abbreviatis, nigris, nitidis; ascis clavatis 110–130 × 10–12, paraphysatis, octosporis; sporidiis stipatis, elongato-fusoideis, 25–30 × 3, 1–2-guttulatis, hyalinis.

Hab. in glandis quercinis putrescentibus *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Speciem typum legi quoque in caulibus ramisque Vincetoxici (M. V. n. 718; spermog. n. 719), Spirææ Arunci, Vitis, Rosæ.

202. **Hypoderma Hederæ** (Mart.) DNtrs – f. **Evonymi japonici** M. V. n. 951.

Hab. in ejusdem foliis dejectis *a Conegliano*, Oct. 1876 (Spegazzini).

Obs. Asci clavati, stipitati, 90–100 × 12–14, octospori; sporidia fusoidea, 25–28 × $3^1/_2$–4, curvula, 2–nucleata, hyalina.

203. **Hysterographium Megalographa** Anzi (sub *Hysterio* Lich. Ven. n. 172 – *Megalographa hysterina* Mass. Catagr. p. 4.

Hab. in ligno v. cortice duriore salicino in agro Veneto (Anzi l. c.)

Obs. Asci elongato-clavati, 140–160 × 25, crasse tunicati, apice rotundati, stipite sæpe tortuoso breviusculo, octospori; sporidia subdisticha, oblonga, subnavicularia, 35–38 × 12–13, utrinque obtusiuscula, 6–8–septato-muriformia, ad septa, præcipue medium, leniter constricta, flavo-fuliginea. – Ab *H. elongato* Cda (sec. specim. Notaris. e M. Cenisio) vix differt ascis paulo brevioribus, sporidiisque ad medium distinctius constrictis.

Discomyceteæ **Fr.**

204. **Patellaria Strickeri** (Körb.) Sacc. – *Karschia Strickeri* Körb. Parerg. lichen 460 – *K. nigricans* Rehm. Asc. n. 21.

Hab. in ligno putrescente Carpini Betuli Patavii Ian. 1877 (Bizzozero).

Obs. Cupulæ, thallo nullo insidentes, extus atro-rufæ, disco aterrimæ; asci clavati 50–55 × 12, paraphysibus copiosissimis arcte obvallati, octospori; sporidia subdisticha, oblonga, constricto-1-septata, 10–18 $3^1/_4$–4, 2–4-guttulata, dilute fuliginea.

205. **Lecanidion Bagnisianum** Sacc. sp. nov. Cupulis gregariis superficialibus, thallo omnino carentibus, coriaceis, patellaribus $^1/_4$ mill. diam., aterrimis, margine paululum elevato, obtusiusculo; ascis cylindraceo-clavatis, breve crassiuscule stipitatis, 70 × 12, apice rotundatis, paraphysibus sursum coalescentibus fuscisque obvallatis, octosporis; sporidiis distichis oblongo-fusoideis, 12 × $4^1/_2$, utrinque obtusiusculis, rectis, initio 4-nucleatis, dein 3-septatis, non constrictis, hyalinis.

Hab. in ligno denudato betulino Romæ (C. Bagnis).

Obs. Opegrapha Lecanactis Mass., ut jam monuerat cl. Rehm in Sacc. Mycoth. Ven. n. 263, secundum quoque specimina a cl. Baglietto lecta et a cl. Anzio ad me missa perfecte convenit cum *Lecanidio atrato* (Hedw.) Rabh.

206. **Cenangium Ligustri** (Tul.) Fckl. Symb. mycol. 268.

Hab. in ramis Ligustri japonici emortuis *a Conegliano,* Oct. 1876 (Spegazzini).

Obs. Asci cylindraceo-clavati, deorsum attenuati, apice obtusati, 100–110 × 18, paraphysibus filiformibus obvallati, myriospori; sporidia minutissima, botuliformia, 4 × 1, hyalina.

207. **Cenangium dolosum** Sacc. et Sp. sp. nov. Cupulis sparsis corticolis, innato-erumpentibus, initio et siccis clausis, udis urceolato-apertis, fibrosis, coriaceis, duris, aterrimis $^1/_2$–$^3/_4$ mill. diam., ascis clavatis breve crassiuscule stipitatis, 80–100 × 10–13, paraphysibus filiformibus obvallatis, octosporis; sporidiis subdistichis, biconico-fusoideis 22–25 × 6–7, medio constricto-1-septatis, rectis curvulisve, 4-guttulatis, hyalinis.

Hab. in ramulis corticatis Coryli Avellanæ *a Conegliano,* Dec. 1875 (Spegazzini).

Obs. I. A *Cenangium Coryli* Cda Icon. V. t. IX. fig. 63 certe diversum.

Obs. II. *Cenangium Rosæ* Sacc. Myc. Ven. 160 t. XVI. f. 19–22, aptius forte ad genus *Peziculam* ducendum, prope *P. rhabarbarinam* (Bk.) Tul.

208. **Coccomyces Pini** (A. S.) Karst. Myc. Fenn. I. 254 – M. V. n. 1100 – *Phacidium Pini* (A. S.) Fr., Mycoth. Univ. n. 174.

Hab. in cortice ramulorum Pini sylvestris *a Susigana,* Sept. 1876 (Spegazzini).

Obs. Asci cylindraceo-clavati, noduloso-stipitati, 120–130 × 15, paraphysibus filiformibus apice incrassati, obvallati, octospori; sporidia bacillari-fusoidea, 60–70 × 3–4, pluriguttulata, tortuosa, hyalina; non ut inscribitur in schedula M. V. n. 1100; quæ descriptio, ex errore, ad *Coccomycetem Iuniperi* Karst. Fenn. I. 254 seu *Colpoma juniperinum* Rehm Asc. n. 272 spectat.

209. **Coccomyces coronatus** (Fr.) DNtrs in Erb. critt. ital. ser. I. n. 236. – Karst. Fenn. I. p. 256 – *Lophodermium Phacidium* DNtrs Pir. ister. p. 42 – *Phacidium coronatum* Fr. f. *Fagi* Thüm. F. Austr. n. 973.

Hab. in foliis dejectis fagineis in sylva *Cansiglio,* Oct. 1875.

Obs. I. Asci clavati 140 × 15–16, longe crassiuscule stipitati, apice subtruncati, paraphysibus filiformibus apice curvatis obvallati, octospori; sporidia bacillaria v. subclavulata, 4–5–nucleata, v. varie guttulata, hyalina.

Obs. II. *Coccomyces dentatus* (Kze et Schm.) Sacc. optime differt ascis breve stipitatis, 110 × 12, cylindraceis, paraphysibus non curvatis, sporidiis filiformibus asco paulo brevioribus, 1–1½ crassis, eguttulatis. Ejus status spermogonicus est *Leptostroma quercinum* Lasch., spermatiis bacillari-navicularibus, 9 × 1½, hyalinis – Utraque forma in foliis quercinis in sylva *Montello,* autumno.

210. **Phacidium Trifolii** (Bernh.) Boud., Cooke IIndb. p. 753 – M. V. n. 721.

Hab. in foliis Trifolii repentis *a Selva*, Aug. 1875.

Obs. Asci oblongo-clavati, 80 × 15, brevissime stipitati, paraphysibus filiformibus crassiusculis obvallati, octospori; sporidia disticha, oblongo-ellipsoidea, 12 × 7–8, 2-guttulata, hyalina. An satis a *Ph. Medicaginis* Lib. diversum?

211. **Phacidium radians** Rob. et Dmz. Crypt. ed. II. n. 750, et in Ann. Scienc. nat. 1842, IX Notic. p. 26 – ***Ph. sibiricum**: cupulis sporidiis quam in typo majoribus.

Hab. in utraque pagina foliorum Campanulæ sibiricæ *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Cupulæ atræ erumpentes e macula atra vaga (ut *Pseudopeziza Ranunculi* (Wallr.) Fckl., Thüm. M. U. n. 518, cui peraffine; non vero ut *Phacid. Ranunculi* Dmz., Cooke IIndb. 753 et F. B. ed. II. n. 452, quod cum *Niptera congeneri* (Ces.) DNtrs. Discom. p. 371 ob sporidia bilocularia convenit) – Asci cylindraceo-clavati, breve noduloso-stipitati, 70–75 × 10–11, paraphysibus crassiuscule filiformibus obvallati, octospori; sporidia disticha oblonga, 11–13 × 4–4½, utrinque obtusiuscula, 2-guttulata, hyalina. Cl. Karsten in typo observavit ascos 40–50 × 6; sporidia 8–10 × 2–2½.

212. **Trochila Laurocerasi** (Dmz.) Fr. – M. V. n. 726 f. **Photiniæ serrulatæ.**

Hab. in ejusdem foliis putrescentibus *a Conegliano*, Oct. 1876 (Spegazzini).

Obs. Asci cylindracei 60 × 7, breve stipitati, paraphysati, octospori; sporidia fusoidea v. clavulata, 8 × 2½, utrinque minute 1-guttulata, hyalina.

213. **Stictis nivea** Pers. Myc. Eur. I. 339. Fr. syst. myc. II. 196. DNtrs. Micr. ital. Dec. I. fig. 5. – *Schmitzomia nivea* DNtrs., Niessl. Beitr. p. 64 t. VII. fig. 51 (cum descript. conid.) – *Propolis Pinastri* de Lacr., Fckl. Symb. 255.

Hab. in acubus Pini montanæ languidis in Horto Botanico Patavino, Dec. 1876 (Bizzozero).

Obs. Vegetatio propolidea, fructificatio stictidea. Asci cylindraceo-clavati apice rotundati, 120 × 15, paraphysibus nullis mihi visis; sporidia vermiculari-bacillaria, utrinque obtusiuscula, 85–95 × $3^1/_2$–4, nubilosa, hyalina.

214. **Stictis Saccardoi** Rehm., M. V. n. 258, F. V. ser. V. 184. f. **Equiseti**: ascis 130 × 8; sporidiis filif. 120 × 1 – f. **Humuli**: ascis 180 × 10; sporidiis filif. 180 × 1 minutissime guttulatis – ***S. pallidula**: disco immerso pallide luteolo, subcirculari, $^1/_3$–$^1/_2$ mill. diam., limbo erecto candidissimo, vix crenulato cincto; ascis cylindraceis subsessilibus, 150 × 9, paraphysibus filiformibus, rectiusculis, obvallatis, octosporis, jodii ope non cœrulascentibus; sporidiis filiformibus, curvulis, 120 × 2–$2^1/_2$, initio pluriguttulatis, dein 20–30–subcuboideo-nucleatis hyalinis.

Hab. f. *Equiseti* et f. *Humuli* in eorum caulibus in agro Tarvisino; f. *pallidula*, quæ forte specifice distinguenda, in ramulis emortuis Rosæ centifoliæ *a Selva*, Sept. 1875. Hæc a *Schizoxyli* Fckl. speciebus longius distat – Vera *St. radiata* Pers. lecta est in lignis putrescentibus *a Conegliano*, Oct. 1876 (Spegazzini).

215. **Stictis Pupula** Fr., Wallr. Crypt. p. 444 – *Schmitzomia Pupula* Fr., Karst. Myc. Fenn. I. p. 238.

Hab. in ramis emortuis Rhamni cathartici *a Conegliano*, Nov. 1876 (Spegazzini).

216. **Propolis alba** Sacc. Myc. Ven. p. 157 t. XVI fig. 1–2, an Fr. – Huc spectat forma *lactea Propolis versicoloris* (Fr.) Fckl., Rehm Asc. n. 76, Cooke F. B. ed. II. n. 463.

217. **Habrostictis rubra** Fckl. Symb. myc. p. 250.

Hab. in ramis corticatis Ulmi campestris, aut. 1874 et 1876, rarius.

Obs. Cupulæ erumpentes urceolato-patellares, sordide rubræ, margine albido-denticulatæ, excipuli contextu distincte cellulari, rubello; asci cylindrici, breve

tortuoso-stipitati, 60–70 × 5, paraphysibus sursum clavulatis obvallati; octospori; sporidia fusoidea, rarius subclavulata, curvula, 14–16 × $2^1/_2$, hyalina,

218. **Cryptodiscus major** Sacc. sp. nova. Cupulis sparsis, discoideis, $^1/_3$ mill. diam., initio epidermide velatis, dein erumpenti-superficialibus, carnosulis, roseis, disco convexiusculo immarginatis; ascis clavatis, breve stipitatis, 100 × 16–18, paraphysibus filiformibus obvallatis, octosporis; sporidiis subdistichis fusoideis, inæquilateralibus, 22–28 × 7–8, utrinque obtusiusculis, 4–cuboideo-nucleatis dein spurie 3–septatis, medio constrictis, hyalinis.

Hab. in ramulis emortuis Punicæ Granati *a Conegliano*, Oct. 1876 (Spegazzini).

Obs. A *Cr. Cesatii* Mtgn. Hedw. I. 102 t. XIV fig. F. differt cupulis conspicue majoribus, ascis sporidiisque quoque paulo majoribus.

219. **Ascomyces aureus** (Pers.) Magn. Hedw. 1875 p. 2 – *Taphrina aurea* (Pers.) Tul., Magn. Hedw 1875 p. 97 cum icone, Rehm. Asc. n. 273. – *Exoascus Populi* Thüm. Myc. Univ. n. 80 et in Hedw. 1874 p. 98-149.

Hab. in pag. inf. foliorum vigentium Populi nigræ, quæ hinc inde excavata fiunt, *a Conegliano*, Majo 1876 (Spegazzini).

220 **Exoascus deformans** (Bk.) Fckl. Symb. p. 252 – *Ascomyces deformans* Bk. Outl. p. 376. – *Taphrina deformans* Tul. Ann. Sc. nat. 1866.

Hab. in foliis Persicæ vulgaris quæ proinde contorto-bullosa fiunt, *a Padova*, Majo 1876.

221. **Exoascus bullatus** (Bk.) Fckl. Symb. Myc. App. II. 49 – Thüm. F. A. n. 972 – *Ascomyces bullatus* Bk. Introd. Crypt. Bot. p. 284.

Hab. in foliis Piri communis, quæ excavato-bullosa hinc inde fiunt, *a Selva, Padova*, æstate.

222. **Calloria succinella** Sacc. nov. spec. Cupulis sparsis, superficialibus applanato-patellatis, margine vix prominulo, minutissimis, $^1/_6$–$^1/_8$ mill. diam., e hyalino dilutissime succineis; ascis cylindraceo-clavatis, apice subtruncatis, 45–50 × 6, basi brevissime noduloso sti-

pitatis, paraphysibus filiformibus sursum vix incrassatis obvallatis, octosporis; sporidiis laxe distichis, cylindraceis, rarius subclavulatis, 6 × 2, utrinque 1-guttulatis, hyalinis.

Hab. in culmis putrescentibus Zeæ Maydis, Dec. 1876 *a Pianzano* (Spegazzini).

Obs. I. Inter *C. fusarioidem* (Bk.) Tul. et *C. diaphanam* Rehm. Asc. n. 210 fere media.

Obs. II. *Calloriam vinosam* (A. S.) Fr. genuinam legi in sarmentis Menispermi canadensis *a Padova*, Iul. 1876, ejusque asci cylindracei 35 × 5, paraphysibus filiformibus sursum lenissime incrassatis obvallati, octospori; sporidia acicularia, sæpe curvula, 13–14 × $^2/_4$–1, hyalina. Species homonyma in Sacc. F. Ven. ser. IV p. 30 ad formam deminutam Habrostictis rubræ Fckl. spectat.

223. **Calloria? miniata** (Batsch sub Peziza, Elench. II. p. 207 fig. 144).

Hab. in ligno fagineo putri *in Cadore,* æstate 1874 (Venzo), et *a Conegliano*, Apr. 1876 (Spegazzini).

Obs. Cupulæ obconicæ, v. brevissime stipitatæ, rubræ dein pallide succineæ, subcartilagineæ, margine pellucido-plicatæ. Nucleus sterilis. An huc quoque *P. hæmatites* Wallr., *Calloria rubella* Fckl,, nec non *Pezizella rubella* Fckl.?

224. **Calloria leucostigmoides** Sacc. nov. spec. Cupulis superficialibus, sparsis, scutellaribus, sessilibus, minutissimis $^1/_3$–$^1/_4$ mill., dilute chlorino-flavis, diaphanis, lævissimis, glabris, jugiter (et in sicco) apertis; ascis clavulatis, 30–$3^1/_2$–4, aparaphysatis, octosporis; sporidiis (immaturis?) cylindraceis, curvulis, minutissimis, 4–5 × $^3/_4$, hyalinis.

Hab. in caulibus herbarum majorum in sylva *Montello*, non raro, autumno 1875–1876.

225. **Calloria vulgaris** (Fr.) Sacc. *Peziza vulgaris* Fr., Kk. Fl. crypt. Flandr. I. p. 480 – *P. albella* With.

Hab. in ramis ulmeis sub cortice secedente *a Conegliano,* aut. 1876 (Spegazzini).

Obs. Asci cylindraceo-clavati, 50 × 7, paraphysi-

bus filiformibus obvallati, octospori; sporidia disticha cylindracea, v. clavulata (immatura visa).

226. **Calloria Antenorea** Sacc. nov. spec. Cupulis sparsis, superficialibus, sessilibus, plano-scutellaribus, minutis, $^1/_5$–$^1/_8$ mill. diam., margine depresso obtusiusculo, pallide flavis, subdiaphanis; ascis cylindraceis, deorsum attenuatis, apice rotundatis, 50–60 × 8, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis cylindraceis utrinque rotundatis, curvulis, 10–11 × 2–3, minute 2–3-guttulatis, hyalinis.

Hab. in ligno v. cortice interiore Laurocerasi *a Padova,* Martio 1877 (Bizzozero).

Obs. A *Call. chrysostigmate* et *C. xanthostigmate* ascis sporidiisque diversa.

227. **Micropeziza** (Pyrenopeziza) **rufula** Sacc. sp. nov. cupulis superficialibus sparsis, patellari-scutellatis, sessilibus, minutissimis, $^1/_4$–$^1/_5$ mill. diam., margine crassiusculo, lævibus, glabris, tenacellis, rufis extus obscurioribus; ascis cylindraceis deorsum parum attenuatis, 45 × 4, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis v. distichis, cylindraceis, curvulis, 7–9 × $1^1/_2$, hyalinis.

Hab. in culmis putrescentibus graminum in sylva *Montello,* Aug. 1876.

Obs. Similis *Micropezizæ Poæ* Fckl. et *M. Puncto* Rehm, a quibus exiguitate et colore cupulæ non collabentis nec margine crispæ dignoscitur.

228. **Pyrenopeziza Chailletii** (Pers.) Fckl. Symb. myc. p. 294.

Hab. in caulibus putrescentibus Fæniculi dulcis *a Conegliano,* Oct. 1876 (Spegazzini).

Obs. Cupulæ erumpentes initio et siccæ clausæ, sphærioideæ, tandem et udæ apertæ extus atræ rugosæ, disco margineque subcrenulato pallidioribus, asci clavati, apice acutati, parce paraphysati, octospori; sporidia cylindracea, subinæquilateralia, 14–18 × 3–4, utrinque 1-guttulata, hyalina – Ab *Heterosphæria Patella* Fr. et *Heteropatella lacera* Fckl. bene diversa.

229. **Pyrenopeziza foliicola** (Karst.) Sacc. M. V. n. 957 *Mollisia foliicola* Karst. Fenn. I. p. 201.

Hab. in foliis putrescentibus Quercus pedunculatæ *a Conegliano*, Majo 1876 (Spegazzini).

Obs. Asci clavato-oblongi, 20–25 × 5, paraphysati, octospori; sporidia fusoidea, 7–8 × $1^1/_2$–2, hyalina – Verisimiliter huc spectat *Peziza Rabenhorstii* Awd. in Herb. mycol. n. 222, DNtrs Prof. Discom. in Comm. critt. ital. I p. 368 – *P. Massoniana* DNtrs olim, Tassi Fl. Sen. p. 61., sed specimina authentica non vidi.

230. **Tapesia fusca** (Pers.) Fckl. Symb. p. 302, Rehm. Asc. n. 153 – *Peziza fusca* Pers., Phillips Helv. brit. n. 77.

Hab. in lignis putrescentibus *a Selva*, *Cansiglio*, *Padova*, aut. 1875-76.

Obs. Huic affinis est *Niptera Riccia* Sacc., quæ differt subiculi defectu et cupulis plerumque magis stellato-sinuosis; an tamen rite distincta?

231. **Tapesia variicolor** (Fr.) Fckl. var. **fusco-umbrina** Fr., Fckl. Symb. p. 302.

Hab. ad lignum populinum *a Selva*, Novembr. 1873 et *Padova* Dec. 1876.

Obs. Cum cupulis adest status conidiophorus: *Tricholeconium fuscum* Cda. I c. V t. II f. 20. Acervuli in tapetum plus minus late effusi, pallide ochracei, velutini; hyphæ ascendentes, septatæ, fuscæ, eximie sinuosæ, intricatæ, sursum subhyalinæ, asperulæ; conidia ad basim hypharum copiosissima, cylindrica, recta, hyalina, 6–7 × $^3/_4$, in sterigmatibus filiformibus, continuis, subhyalinis, 20 × $^3/_4$, acrogena. – Cupulæ scutellares, sessiles, plerumque tapeto conidiophoro insidentes, extus fusco-griseæ villosulæ, præsertim ad marginem pilis simplicibus, septatis, fuligineis 120–130 × 3 sursum asperulis, pallidis (hyphis analogis) ornatæ, disco flavido; asci cylindraceo-clavati, 70 × 6 –$6^1/_2$, p. s. 50 lga, paraphysibus (spuriis?) filiformibus obvallati, octospori; sporidia disticha, fusoidea, curvula, 8–10 × $1^1/_2$–2, nucleo medio bipartito, ideoque spurie 1–septata, hyalina.

232. **Belonidium auratum** (Fckl.) Sacc. – *Arachnopeziza aurata* Fckl. symb. myc. 304 – Cooke, Grevillea t. 51 fig. 252.

Hab. in lignis quercinis udis putrescentibus *a Selva, Bavaria*, Aug. Sept. 1875–1876, rarius.

Obs. Asci clavati, deorsum attenuati, 110 × 10, paraphysibus filiformibus obvallati, octospori; sporidia bacillaria, curvula, 45–50 × 2½, pluriguttulata, hyalina.

233. **Lachnella barbata** Fr. – *L. **rhodophæa**: habitu et colore extus *L. barbatæ*, sed disco non albido sed amœne roseo; ascis cylindraceo-clavatis, 90 × 5, octosporis; sporidiis cylindraceis curvulis, utrinque obtusiusculis, 12–13 × 3, hyalinis.

Hab. in lignis putrescentibus Ulmi etc. *a Conegliano, Selva*, aut. 1876.

Obs. Ad *Lachn. flammeam* (A. S.) Fr. quoque vergit, sed extus non rufa.

234. **Lachnella brunneola** (Dmz. sub *Peziza*) Sacc. – *Lachnum brunneolum* Karst. Fenn. I. 180 – *Pez. brunneola* Desm. Ann. Sc. nat. ser. II. vol. XVII. p. 96.

Hab. in foliis dejectis quercinis in sylva *Montello*, aut. 1873.

235. **Dasyscypha** (Batsch) Fckl. – ***D. testacea**: cupulis quam in typo amplioribus, usque 1¼ mill. diam., disco saturate testaceo; ascis cylindraceis, 50–5; sporidiis fusoideis v. clavulatis, 7–8 × 2, eguttulatis hyalinis.

Hab. in lignis cariosis *a Padova*, Febr. 1876.

236. **Trichopeziza punctiformis** (Fr.) Fckl., Rehm. Ascom. n. 309.

Hab. in lignis cariosis caulibusque putrescentibus *a Padova e Selva*, aut. 1874–75.

237. **Hyalopeziza patula** Fckl. Symb. p. 298 an *P. patula* Pers.? – *Pseudohelotium puberulum* (Lasch?) Thüm. F. A. n. 930.

Hab. in foliis putrescentibus quercinis *a Conegliano*, Oct. 1876 (Spegazzini).

Obs. I. Asci cylindraceo-clavati, 60 × 7, parce pa-

raphysati, octospori; sporidia oblongo-clavulata v. subfusoidea, 8–10 × 3–4, hyalina.

Obs. II. *Hyalopeziza ciliaris* (Schrad.) Fckl. statim dignoscitur sporidiis fere duplo longioribus, 18–20 × 2–3; ascis clavato-cylindraceis, 70–80 × 7–8; disco initio albicante, dein lutescente. Hæc in foliis quercinis et castaneis, nec non spinis capsularum Castaneæ, frequens.

238. **Stamnaria Persoonii** (Fr.) Fckl. Symb. myc. p. 309 – M. Ven. n. 953. – Thüm. M. V. n. 125 – *Peziza Persoonii* Moug.

Hab. in caulibus ramisque Equiseti palustris *a Conegliano*, Aug. 1876 (Spegazzini).

239. **Pocillum Cesatii** DNtrs Prof. Disc. in Comm. critt. I. 361. – M. V. n. 952. – *Helotium Cesatii* Mtgn. Syll. p. 187.

Hab. in foliis dejectis quercinis *a Conegliano*, Apr. 1876 (Spegazzini).

Obs. Asci cylindrici, 150 × 8, apice truncati, paraphysibus sursum clavatis viridulisque obvallati, octospori; sporidia filiformia, 130 × 1, hyalina.

240. **Ciboria bolaris** (Batsch) Fckl. Symb. p. 311. – *Peziza bolaris* Batsch Elench. p. 221 fig. 155.

Hab. in caulibus herbarum majorum (Humuli?) Patavii, Febr. 1876.

Obs. I. Claviformis, stipitata, rigidula, sed fragilis, extus margineque obtusiusculo vix elevato rugulosofurfuracea, stramineo-castanea, disco plano-concavo, saturatiore; stipite cylindraceo $^1/_2$ mill. alto concolore; nucleo albido fibrilloso; cupula $^1/_2$–$^3/_4$ mill. diam. Pari fere jure ad *Helotium* trahi potest.

Obs. II. In cupulis glandibusque quercinis in sylva *Montello*, Oct. 1876 legi *Ciboriam echinophilam* (Bull.) Sacc. perfecte eamdem ac in involucris Castanearum.

241. **Helotium sarmentorum** DNtrs Prof. Discom. in Comm. critt. I. 379.

Hab. in sarmentis emortuis Vitis viniferæ *a Conegliano*, Oct. 1876 (Spegazzini).

Obs. Cupulæ subsessiles, convexulæ, rufo-aurantiacæ; asci clavati 90–100 × 15, deorsum attenuati, paraphysibus filiformibus obvallati, octospori; sporidia ovato-oblonga, utrinque acutiuscula, sæpe inæquilateralia, 20–22 × 6–7, 2–4-guttata, hyalina.

242. **Helotium querceti** Sacc. sp. nov. Cupulis sessilibus centro-punctiformi adfixis, applanatis, scutellaribus, vix $^1/_4$ mill. diam., lævibus, glabris, siccis quandoque subcontortis sed apertis, ex albido roseis; ascis cylindraceo-clavatis, breve stipitatis, 50–55 × 7–8, paraphysibus crassiuscule filiformibus obvallatis, octosporis; sporidiis distichis cylindraceo-fusoideis sub-bacillaribus, 12–14 × $1^1/_2$–2, bi-trinucleatis indeque spurie 1–2-septatis, hyalinis.

Hab. in foliorum pag. inf. Quercus pedunculatæ in sylva *Montello*, Oct. 1875.

Obs. Helotio epiphyllo (Pers.) Fr. subaffine, at rite distinctum.

243. **Helotium punctatum** (Grev.) Fr., Cooke Hndb. p. 715, nec *Peziza punctiformis* Auctorum.

Hab. in foliis quercinis dejectis *a Padova e Conegliano*, aut. 1875-76.

Obs. Cupulæ minutæ, $^1/_4$–$^1/_5$ mill. diam., sessiles, centro punctiformi adfixæ, denique applanatæ, disco albido, subinde lutescente, extus margineque crenulato albido-pilosellæ; asci cylindraceo-clavati, deorsum longiuscule attenuati, 40 × 4, octospori; sporidia disticha fusoidea, 6 × $1^1/_2$, utrinque minute 1-guttulata, hyalina – *Hel. punctoideum* Karst. Fenn. I. 151 huic peraffine videtur.

244. **Helotium subtile** Fr. ***H. proximellum** Karst. Myc. Fenn. I. 132.

Hab. in acubus putrescentibus abietinis *a Susigana*, Dec. 1876 (Spegazzini).

Obs. Cupula convexula, epithecio candido, stipite fulvo, cupulæ diametrum paululum superante; ascis fasciculatis, clavato-cylindraceis, sæpe e basidio unico pluribus orientibus, 35–40 × 4, octosporis; sporidiis cylindraceo-fusoideis, 5 × $1^1/_2$, hyalinis.

245. **Pithya cupressina** (Batsch) Fckl. Symb. 317 – M. V. n. 729 – *Peziza Cupressi* Batsch Elench. I. 119 – *Fungoides aureum* etc. Micheli Nova gen. p. 207 t. 86 fig. 20.

Hab. in ramulis foliisque languidis Iuniperi virginianæ in Horto botanico Patavino, Nov. 1875.

246. **Plectania melastoma** (Sow.) Fckl. Symb. p. 324 *Peziza melastoma* Sow. – *P. rhizopus* A. S. (st. juvenilis.)

Hab. in trunculis putrescentibus et humo obvolutis *a Monselice* (*Padova*), Majo 1876 (Bizzozero).

Obs. Asci cylindrici, deorsum sensim longe attenuati, p. s. 130–140 × 15, paraphysibus filiformibus obvallatis octospori; sporidia oblique monosticha, oblongo-ellipsoidea, 20–22 × 10–11, nubilosa, hyalina.

247. **Pyronema aurantio-rubrum** Fckl. Symb. p. 319 – ***P. pallens**: cupulis sparsis dilute aurantiacis, subgelatinoso-pellucidis, patellatis, marginatis, sessilibus, $^1/_2$–1 mill. diam.. hyphis albis radiantibus cinctis; ascis cylindraceo-clavatis, deorsum attenuatis, 55–65 × 8, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis, ellipsoideis utrinque acutiusculis, 5–6 × 3, 2–guttulatis, hyalinis.

Hab. in corio putrescente *a Conegliano,* Nov. 1876 (Spegazzini).

248. **Ascobolus furfuraceus** Pers. Syn. p. 286 – Karst. Fenn. I. p. 76.

Hab. in fimo vaccino putri *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Asci cylindraceo-clavati, deorsum longe attenuati, p. s. 100–120 × 25, octospori; sporidia subdisticha, oblongo-ellipsoidea, 25–30 × 12–14, longitudinaliter striata, violacea.

249. **Peziza** (Leucoloma) **Chateri** Sm., Cooke Mycogr. fig. 62 – Phillips Helv. britt. n. 58.

Hab. ad terram muscosam Horti botanici Patavini, Iulio 1876 (Bizzozero).

Obs. Asci cylindracei p. s. 110 × 10, paraphysibus filiformi-clavulatis, roseo-guttulatis obvallati, octo-

spori; sporidia oblique monosticha, oblongo-ellipsoidea, 16–18 × 7–8, muriculata, granulosa, hyalina – Cupulæ rubræ excipulum rubro-fuscum.

250. **Peziza** (Leucoloma) **carnea** (Pers.) Karst. Fenn. I. p. 60 – *Ascobolus carneus* Pers. – *Leucoloma carnea* (Pers.) Rehm. Asc. n. 2 – f. **minor**.

Hab. in fimo vaccino *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Asci clavato-cylindracei, deorsum attenuati, 80–90 × 18–20, paraphysibus sursum leniter incrassatis, curvulisque obvallati, octospori; sporidia oblongo-ellipsoidea, 16–20 × 7–8, eguttulata, hyalina.

251. **Peziza** (Humaria) **patavina** Cooke et Sacc. in Cook. Mycogr. ined.

Hab. in humo umbrosa in calidariis Horti botanici Patavini, Dec. 1876.

Obs. Asci cylindrici p. s. 100–110 × 18–20, octospori; sporidia oblongo-ellipsoidea, utrinque obtusiuscule attenuata 26–28 × 11–12, extus lævia, nubilosa guttulata, hyalina. Cupulæ sessiles, scutellatæ, miniatæ, extus pilosulæ.

252. **Peziza** (Humaria) **trechispora** Cuvr., Cooke Mycogr. fig. 129.

Hab. in ligno putri quercino in sylva *Montello*, Sept. 1876.

Obs. Asci cylindrici, crassissimi, apice obtusato-truncati, paraphysibus sursum clavatis roseis obvallati, octospori; sporidia monosticha, perfecte sphærica, 18–19 diam., ubique muriculata, hyalina.

253. **Peziza** (Humaria) **hirta** Schum., Cooke Mycogr. fig. 128 – *Hum. scutellata* Cooke F. B., Sacc. etc. p. p. (forma breviciliata).

Hab. in fragmentis ligneis putridis in sylva *Montello*, aut. 1874.

Obs. Sec. cl. Cooke in litt. *Humaria setosa* Sacc. F. V. ser. IV. pag. 38 sistit formam *H. scutellatæ* (L.) Fckl. Genuinam *H. scutellatam* edidi in M. V. n. 955.

254. **Peziza** (Humaria) **Saccardiana** Cooke Mycogr. ined.

Hab. ad terram udam in agro Tarvisino, 1874 aut., et prope *Tregnago* (Verona) Aug. 1875 (C. Massalongo).

Obs. Asci cylindracei, p. s. 150 × 13, octospori; sporidia ellipsoidea 15 × 8, asperula, 1–guttulata e hyalino dilute fuscella – Cum *Peziza brunneo-atra* Dmz., Cooke Mycogr. fig. 78 comparanda.

255. **Peziza** (Phæopezia nov. gen.?) **apiculata** Cooke in Mycogr. ined.

Hab. in cortice dejecto putri abietino *a Selva*, Aug. 1875.

Obs. Cupulæ sessiles, scutellatæ, circ. 2 mill. diam., tenacellæ, atræ, læves, glabræ, disco concavo; asci cylindracei, deorsum crassiuscule attenuati, apice subtruncati, 200 × 18, paraphysibus filiformibus, septulatis obvallati; sporidia oblique monosticha, oblongo-ellipsoidea, utrinque breve mucronata, 20–22 × 10, atrofusca (etiam mucrones fusci).

256. **Peziza** (Otidea) **tincturella** Cooke et Sacc. in Cooke Mycogr. ined.

Hab. ad terram humidulam in calidariis Horti botanici Patavini Ian. 1877.

Obs. I. Cupulæ sessiles, radicatæ, 6–8 mill. diam., aquose ochraceæ, udæ umbilicato-applanatæ, margine sinuosæ, siccæ eximie contortæ, tenacellæ; asci cylindrici, longissimi, p. s. 130 × 8–9, paraphysibus filiformibus obvallati, octospori; sporidia ellipsoidea, utrinque rotundata, 15–16 × 8–8½, 2–guttulata, hyalina.

Obs. II. Sec. cl. Cooke *Crouania humosa* Fckl., Rehm, et Sacc. Myc. Ven. p. 166 (excl. forma in charta bibula) est nova species, quæ ab ipso (Mycogr. fig. 81) *Peziza Constellatio* nuncupatur; dum vera *Pez. humosa* Fr. diversam sistit speciem (Mycogr. fig. 25).

Myxomycetes *de Bary.*

257. **Arcyria cinerea** (Bull.) Fr. Syst. mycol. III. p. 180 – *Trichia cinerea* Bull. Champ. t. 477. fig. 3.

Hab. in lignis putrescentibus *a Selva*, Aug. 1875 rarius.

Obs. Convenit cum speciminibus germanicis a cl. G. Wintero communicatis.

258. Comatricha physaroides (A. S.) Sacc. – *Stemonitis physaroides* A. S. Lusat. p. 103 t. II. fig. 8. Fr. Syst. myc. III. 162.

Hab. in lignis quercinis udis, putrescentibus in sylva *Montello,* Sept. 1876, rarius.

Obs. I. Affinis *Comatrichæ Friesii* de By, a qua statura elatiore, robustiore, sporisque majoribus et saturatius fuscis recedit.

Obs. II. In lignis putridis quercinis in sylva *Montello*, Sept. 1876, legi *Trichiam nigripedem* Pers.; inque foliis putridis Platani *ad Altichiero* (*Padova*), denuo reperi *Craterium leucocephalum* Pers., Sacc. F. V. ser. IV. p. 40. Ejus sporæ globosæ, $7^1/_2$–8 diam., atroviolaceæ.

FUNGI ITALICI autographice delineati a prof. P. A. SACCARDO. Patavii 1877.

Hujus operis Majo 1877 editi sunt fasciculi I-IV, continentes tabulas coloratas 1-160. Sequitur earum index, secundum numerum tabularum; additis fungorum novorum diagnosibus.

1. **Titæa callispora** Sacc. – Mycoth. Ven. n. 571 – Fungi Ven. ser. V p. 193, ubi descriptio novi generis et speciei.
2. **Staurochæta minima** Sacc. – Fung. Ven. ser. IV p. 41, ubi descriptio novi generis et speciei.
3. **Patinella hyalophæa** Sacc. – Nov. Ascom. in Grevillea IV p. 22 (descript. nov. generis) – Fungi Veneti ser. IV p. 29 (descript. novæ speciei).
4. **Passerinula candida** Sacc. – Nov. Ascom. in Grevillea IV p. 21 (descript. nov. speciei) – Fungi Veneti ser. IV p. 22 (descript. novæ speciei).

5A. **Acrothecium pumilum** Sacc. sp. nov. Hyphom. Hyphis fertilibus erectis, gregariis, filiformibus ima basi leniter incrassatis, 200 × 6–7, pluriseptatis, fuligineis, sursum pallidioribus; sporis (conidiis) in hypharum apice densiuscule capitato-congestis, oblongo-fusoideis, 20–22 × 5, in basim acutatis, 5–7-septatis, non constrictis, hyalinis.

Hab. in squamis rachidis spicæ Maydis putrescentibus *a Selva*, Oct. 1874.

Obs. Ab *A. atro* (Pr.) Sacc. (ic. nostr. 5B) conidiis crebrioribus et fere uno puncto orientibus differt; ab *A. polyseptato* Pr. (sub Cordana) conidiis nec obovatis nec fuscis distat.

5B. **Acrothecium atrum** (Pr.) Sacc. – *Rhinotrichum atrum* Pr. in Sturm. D. C. F. Heft 25 t. 22 (status immaturus, ut videtur).

Hab. in ligno salicino nec non in Helotio salicello putri *a Selva*, Oct. 1874.

Obs. Conidia initio oblongo-clavulata, continua, tandem 4–8–septata, 24 × 6, prope hypharum apicem nodulosum inserta, hyalina.

6A. **Acrothecium tenebrosum** (Pr.) Sacc. – *Cacumisporium tenebrosum* Pr. in Sturm D. C. F. Heft 35 t. 11.

Hab. in ligno putri fagineo in sylva *Cansiglio*, Oct. 1874.

6B. **Acrothecium bulbosum** Sacc. – *Graphium macrocarpum* Sacc. Mycol. Veneta p. 187, non Corda – Hyphis erectis, gregariis, filiformibus e basi maxime incrassata cellulosa orientibus, simplicibus (non fasciculatis), pluriseptatis, fuligineis; conidiis capitatis, in ramulis cylindraceis erectiusculis pallidis prope hypharum apicem nascentibus, acrogenis, oblongis, v. subfalcatis, 20–25 × 7–8, 2–3–septatis, hyalinis denique dilute fuligineis – Capitula primitus strato gelatinoso obvoluta.

Hab. ad truncos dejectos udos Patavii, Febr. 1874.

Obs. Affine *Acrothecio tenebroso*, a quo præcipue hyphis basi maxime incrassatis recedit.

7A. **Acrothecium pauciseptatum** (Pr.) Sacc. – *Cordana pauciseptata* Pr. Fung. Hoyersw. p. 129.

Hab. in ligno acerino putri *a Selva*, Sept. 1873, socia *Lasiosphæria hirsuta*, quacum forte metagenetice devinctum est.

Obs. Hyphæ fertiles basi conspicue incrassatæ, cylindraceæ, 200 × 4, pluriseptatæ, fuligineæ, sursum subattenuatæ pallidiores; conidia in hypharum apice congesta, ovoidea v. subfusoidea, 8 × 4, 1–septata, fuliginea.

7B. **Acrothecium Solani** Sacc. sp. nov. Hyphis fertilibus, in maculis foliorum arescendo ochraceis gregariis, erectis, filiformibus 80–90 lg., 3 cr., subcontinuis fuscis sursum pallidioribus, subattenuatis; conidiis in hypharum summo apice paucis, laxe capitatis, cylindraceis, 18 × 4, utrinque acutatis, minute pluriguttulatis, continuis, hyalinis.

Hab. in foliis languidis Solani nigri *a Selva*, Sept. 1873.

Obs. Ab *Acrotheca Gei* Fckl. Symb. 380 (in Enum. Fung. Nassov. p. 42 falso descripta), cui affinis, hyphis tenuioribus conidiis parcioribus majoribus satis diversa.

8. **Acrothecium purpurellum** Sacc. sp. nov. Totum amœne dilute purpureum; hyphis fertilibus dense gregariis, basi lignum penetrantibus, filiformibus, non v. parce septatis, sursum obtuse denticulatis, sæpissimeque spathulato-dilatatis; conidiis ex denticulis orientibus cylindraceis, 20–25 × 4, apice obtusis, basi acutatis, 3–septatis dilute roseis.

Hab. in ligno quercino putrescente in sylva *Montello*, Sept. 1876.

9. **Acrothecium caulium** Sacc. sp. nov. Hyphis fertilibus, erectis gregariis, filiformibus, tenuiseptatis, fuligineis; conidiis in hypharum summo apice capitato-congestis, cylindraceo-oblongis 14 × 3, utrinque obtusiusculis, continuis, 3–guttulatis, fuligineis.

Hab. in caulibus putrescentibus Heraclei Sphondylii *a Selva*, Sept. 1873, socia *Hendersonia Heraclei* Sacc.

Obs. I. Affine *A. simplici* Bk. Cooke IIndb. 579, a quo conidiis basi obtusiusculis, fuscis, 3–guttatis (exinde forte 2–septatis) neque 4–5–septatis facile distinguitur.

Obs. II. Genus *Acrothecium* in sequentia subgenera distingui potest. A. Cacumisporium: conidiis pluriseptatis: *A. tenebrosum*, *A. atrum*, *A. pumilum*, *A. purpurellum*, *A. bulbosum*, nec non *A. polyseptatum* (Pr. sub *Cordana*), *A. pedunculatum* (Pr. sub *Cordana*): *A. multisporum* Pr., *A. simplex* Bk., *A. delicatulum* B. et Br. – B. Cordana Pr. p. p.: conidiis 1–septatis: *A. pauciseptatum*. – C. Acrotheca Fckl.: conidiis continuis: *A. Solani*, *A. caulium*, *A. Gei* Fckl.

10. **Arthrobotryum albicans** Sacc. sp. nov. Remote gregarium albido-hyalinum; stipitibus cylindraceis sur-

sum parum attenuatis, 200 × 35–30, ex hyphis filiformibus tenuissimis eseptatis formatis; conidiis capitatis ex hypharum apice oriundis, oblongo-cylindraceis, 20–25 × 5–6, 2–4 (plerumque 3)–septatis, basi in apiculum productis, subhyalinis.

Hab. in ligno carioso putrescente fagineo in sylva *Cansiglio*, Oct. 1874.

Obs. Affine *Arthrob. stilboideo* Ces., a quo præ cæteris colore albido, stipitum hyphis tenuissimis continuis, conidiis majoribus etc. differt.

11. **Arthrobotryum stilboideum** Ces. Hedw. I t. IV fig. 1.

Hab. in ligno quercino putri in sylva *Montello*, Sept. 1874.

Obs. Conidia oblonga, quandoque subclavata, 12 × 4, 3–septata hyalina, tandem (senio?) dilutissime fuscidula. Stipes ex hyphis pluribus filiformibus fuligineis, remote septatis conflatus, basi incrassatus.

12. **Arthrobotryum atrum** B. et Br., Cooke Hndb. p. 563. Sacc. Myc. Ven. p. 181.

Hab. in ramulis salicinis, Salviæ glutinosæ, Asteris Novi-Belgii *a Selva,* aut. 1873-75.

Obs. Conidia ovoidea 30–35 × 15–18, 3–4–septata, loculis extimis pallidioribus, cæteris fuligineis.

13. **Graphium fasciculatum** Sacc. Myc. Ven. n. 739 – Gregarium, fuligineum; stipitibus compositis, cylindraceis sursum obtusiuscule attenuatis, quandoque e basi incrassata communi pluribus fasciculatis, undique, præcipue vero sursum, ramulos obliquos subdenticulatos, pallidiores emittentibus; conidiis prope ramulorum apicem insertis cylindracco-fusoideis, curvulis, utrinque acutis 15 × $1^3/_4$–$2^1/_2$, hyalinis.

Hab. in ramulis Robiniæ Pseudacaciæ, socia *Valsa heteracantha* Sacc., cujus ut status macroconidicus haberi potest, *a Selva,* aut. 1874-76.

Obs. Infra ejus stipites quandoque adsunt spermogonia, qualia in «Fungi Veneti» ser. IV p. 15 descripsi – Species hæc ad *Graphium Rhizomorpharum* (Ces.) Mtgn. accedit, a quo tamen satis differt.

14. **Graphium stilboideum** Corda Ic. II fig. 69.

Hab. in ramulis Robiniæ Pseudacaciæ *a Selva*, Oct. 1874.

Obs. Stipites prælongi ex hyphis fuligineis constantes, filiformes, apice in capitulum subrotundo-discoideum expansi; conidia ex hypharum apice oriunda oblongo-ellipsoidea, 6 × 3, hyalina.

15. **Graphium fissum** Pr. Hoyersv. p. 133. n. 113.

Hab. sub cortice ramulorum Solani Dulcamaræ *a Vittorio*, Nov. 1875.

Obs. Stipites cylindracei, quandoque fissi, sursum attenuati, apice ex hyphis divergentibus dilatato-capitati; hyphæ fasciculatæ fuligineæ, fertiles in apicem patulum, hyalinum denticulatum desinentes; conidia e denticulis oriunda oblonga deorsum acutata, 7–8 × $2^1/_2$, hyalina. A diagnosi Preussii l. c. recedit hyphis fertilibus non vere ramosis, an ergo diversum?

16. **Graphium penicillioides** Cda Ic. I t. V fig. 251.

Hab. sub cortice ramulorum Populi nigræ putrescente *a Selva*, Sept. 1875.

Obs. Stipites sparsi, atri, breves, sursum dilatati, ex hyphis fuligineis fasciculatis compositi; conidia in hypharum apice pallidiore inserta, oblongo-cylindracea, minutissima, 4–5 × 1–$1^1/_2$, hyalina.

17. **Aspergillus ochraceo-ruber** Sacc. Myc. Ven. n. 1063. Gregarius, totus amœne ex ochraceo ruber; hyphis sterilibus repentibus parce septatis, fertilibus erectis ca. $^3/_4$ mill. altis, filiformibus, septatis, apice vesiculoso-inflatis; conidiis catenulatis, radiantibus, ovoideis basi subapiculatis, majusculis 15–18 × 12–43, plerumque multiguttulatis. Capitula $^1/_4$ mill. diam.

Hab. in cortice lignoque putri juglandino, Patavii, Feb. 1876–77.

Obs. Ab *Asp. roseo* Cooke IIndb. p. 588, probe diversus.

18. **Aspergillus carneolus** Sacc. sp. nov. Effusus, sordide carneus; hyphis sterilibus repentibus, ramosis, parce septatis, filiformibus; fertilibus assurgentibus, filiformibus, 120–130 × 10, septatis, apice vesiculoso-

inflatis, vesicula lævi 30 diam.; conidiis catenulatis, sed mox secedentibus, ovato-oblongis, 6–8 × 3–4, e hyalino roseis.

Hab. in culmis et paniculis putrescentibus udis Sorghi vulgaris *a Selva*, Sept. 1873.

Obs. Etiam hic ab *Asp. roseo* Lk., Cooke, cujus habitum refert, conidiis oblongis nec globosis hyphisque septatis nec continuis statim distinguitur.

19. **Aspergillus stercoreus** Sacc. Myc. Ven. n. 1061. Effusus, laneus, canescens; hyphis fertilibus assurgentibus, filiformibus, continuis, 600–800 × 20, hyalinis, apice vesiculoso-inflatis; conidiis catenulatis, e globoso ovoideis, 7–10 × 6–7, hyalinis e sporophoris conico-oblongis vesiculam tegentibus oriundis.

Hab. in stercore humano, putrescente *a Selva, Giavera*, Oct. 1876.

20. **Aspergillus virens** Lk. Obs. I p. 14. Spec. I. 67.

Hab. in nidis vesparum putrescentibus *a Padova*, Sept. 1874.

Obs. Hunc genuinam speciem Linkianam sistere fingo, etsi ad hanc eamdem quoque forma virescens *Aspergilli glauci* in fungis obvia, æquo jure referri possit. Præsens dignoscitur hyphis sterilibus repentibus, ramosis, fertilibus assurgentibus filiformibus, 300–500 × 10, parcissime septatis, apice vesiculoso-inflatis, amœne virentibus; conidiis globosis, catenulatis, minutis, 3 diam., viridulis, sæpe 1–guttulatis e vesicula immediate oriundis.

21. **Bispora pusilla** Sacc. sp. nov. Effusa, atra; hyphis brevibus filiformibus, adscendentibus, pallidis; conidiis in hypharum apice insertis in catenulas, longiusculas, rarius ramulosas digestis, ovoideis, utrinque rotundatis, nec truncatis, 6–8 × $3^1/_2$–$4^1/_2$, medio crasse opaceque 1–septatis non v. vix constrictis, fuligineis.

Hab. in ligno putrescente quercino, Sept. 1874, in sylva *Montello*.

22. **Bispora monilioides** Corda Ic. I. t. II. fig. 143.

Hab. in ligno putri udo *a Padova*, Ian. 1877.

Obs. Hyphæ seu basidia brevia, subconica; conidia

breve fusoidea, utrinque truncata, 20–22 × 6–7, crasse 1–septata, non constricta, 2–guttulata, fuliginea.

23. **Botrytis griseola** Sacc. M. V. n. 581 – F. V. ser. V p. 195.

24. **Botrytis phymatotricha** Sacc. – M. V. n. 1081 – Effusa, subvelutina, ex albo grisea, hyphis sterilibus repentibus, tortuosis, ramosis, parce septatis, hyalino-fuscidulis; fertilibus concoloribus assurgentibus, paniculato-ramosis, ramulis hyalinis apice incrassatis vageque denticulatis; conidiis e denticulis oriundis, subglobosis, 5–6 diam., eguttulatis, fuscis.

Hab. in ligno putri quercino *a Selva*, Oct. 1876.

Obs. Cum genere *Phymatotricho* Bonord. notis nonnullis congruit, sed a *Botryte* essentialiter non differt.

25. **Chætopsis macroclada** Sacc. sp. nov. Effusa, fusco-olivacea; hyphis erectis, 200 × 4, e basi lenissime incrassata, filiformibus, apice subulatis, parce septatis, fuligineis; ramis verticillato-ternis vel quaternis, inferioribus brevibus, superioribus (2 verticillis) prælongis, usque 60–70 lgs, subulatis, interdum aduncis, fuligineis; conidiis in ramulis inferioribus acrogenis globoso-ovoideis, 3–3½ × 2–2½, 1–guttulatis e hyalino dilutissime olivaceis.

Hab. in ligno putri quercino *a Selva*, Aug. 1875, rarius.

26. **Chætopsis fusca** Corda Ic. I f. 243.

Hab. in ligno quercino putrescente *a Selva*, Aug. 1874, raro.

Obs. A typo Cordæ l. c. differt ramulis brevioribus, tortuosis, subcontinuis; conidiis ovoideis 2–2½ × 1 (nec 4½ lg.). Hæc forma brachyclada dicenda.

27. **Chætopsis stachyobola** Corda Ic. III f. 21.

Hab. in foliis dejectis Lauri nobilis, nec non in ejus ramulis, *a Selva*, Aug. 1875.

Obs. Cæspituli effusi rufescentes; conidia cylindrica, 12 × 1¾, hyalina.

28. **Cladotrichum microsporum** Sacc. sp. nov. Effusum, atrum, velutinum; hyphis undique repentibus, quandoque gangliformi-confluentibus, multi-articulatis,

articulis sæpe protuberantibus, crasso-guttulatis, obscure fuligineis; hyphis fertilibus assurgentibus filiformibus sursum attenuatis, remotius septatis, pallidioribus; conidiis in hypharum apice acrogenis (?), constricto-didymis, 10–12 × 8, rarius 15 × 9, 2-guttulatis, fuligineis, loculo inferiore crassiore breveque apiculato.

Hab. in ligno putrescente *a Conegliano*, Iunio 1876 (Spegazzini).

29. **Chalara fungorum** Sacc. – *Cylindrium fungorum* Sacc. Myc. Ven. 177 tab. XVI fig. 53.

Hab. in Hydno compacto putrescente in sylva *Montello*, Dec. 1872.

Obs. Hyphæ obclavato-phialiformes, 30–40 lg., basi 10 cr. dilute fuligineæ non septatæ; conidia cylindrica, concatenata, 15 × $2^1/_2$, utrinque obtusa, plasmate bipartito, hyalina.

30. **Chalara strobilina** Sacc. F. V. ser. V p. 185, n. 169 – Effusa, velutina, brunnea; hyphis erectis obclavato-ampullaceis, 30–35 × 4 (in apice), 2–3-septatis fuligineis; conidiis ex apice hypharum exsilientibus, catenulatis, cylindraceis, 4 × $1^1/_4$, 2-guttulatis, hyalinis.

Hab. in squamis strobilorum Abietis excelsæ putrescentibus, socio *Helotio strobilino* (Fr.) Fckl. cujus est status conidiophorus, in sylva *Cansiglio*, Oct. 1875.

31. **Chalara heterospora** Sacc. sp. nov. Effusa, velutina, brunneo-fuliginea; hyphis erectis cylindraceis, 70–80 × 4–5, usque ad mediam longitudinem incrassatis, 4–5-septatis, fuligineis; conidiis ex apice hypharum exsilientibus, catenulatis, cylindraceis, 10–15 × 2–3, utrinque truncatis, nunc continuis, nunc 1–3-septatis, hyalinis.

Hab. in ligno quercino putrescente udo *a Selva*, Oct. 1876.

32. **Chalara Montellica** Sacc. – *Sporoschisma Montellicum* Sacc. Fungi Veneti ser. II p. 307.

33. **Chalara Ampullula** Sacc. – *Sporoschisma Ampullula* Sacc. Fungi Veneti, ser. IV p. 38.

34. **Chalara fusidioides** Corda Ic. II 9, t. IX fig. 43 – Sacc. Fungi Ven. ser. V p. 191.

Hab. in ligno quercino putri in sylva *Montello*, Sept. 1875.

Obs. Conidia cylindrica utrinque truncata, 18–20 × 2, concatenata, hyalina. Hyphæ phialiformes, 40 × $2^1/_2$–3 (in collo), fuscidulæ. Conidia sec. Corda 7–8 lga et hyphæ 21 lgæ; an ex errore mensionis? an species diversa? Habitus tamen simillimus.

35. **Chalara brachyspora** Sacc. sp. nov. Effusa, velutina, fusca; hyphis cylindraceis, 80–100 × 5, usque ad medium v. $^3/_4$ longitudinis paululum incrassatis, 3–4–septatis, fuligineis; conidiis ex hypharum apice exsilientibus catenulatis, breviter cylindraceis, 10 × 4, utrinque truncatis, 2–guttulatis, hyalinis.

Hab. in ligno putrescente Coryli Avellanæ *a Selva*, Nov. 1873.

36. **Cylindrium heteronemum** Sacc. sp. nov. Breviter effusum, floccosum, candidum; hyphis filiformibus continuis, raro apice furcatis, 25–35 × 3–$3^1/_2$; conidiis in catenulas longiusculas digestis, forma magnitudineque valde variis nempe cylindricis v. fusoideis, 15–25–35 × 4–5, utrinque attenuato-truncatis, subapiculatis ex albo hyalinis.

Hab. in disco trunci salicini putrescentis *a Selva*, Oct. 1874.

37. **Cylindrium carneolum** Sacc. sp. nov. Late effusum, amœne carneum, cito evanidum; hyphis assurgentibus subcylindraceis, sursum attenuatis, 20–30 × 3; conidiis ex hypharum apice oriundis in catenulas longas digestis, cylindraceo-fusoideis, 8 × 2, rectis v. raro inæquilateralibus, utrinque obtuse attenuatis, 2–guttulatis, hyalino-roseis.

Hab. in ramulis Salicis vitellinæ udis in calidariis Horti botanici Patavini, Martio 1876.

38. **Dendryphium nodulosum** Sacc. Effusum v. interruptum, atroferrugineum; hyphis adscendentibus, vage simpliciter v. iterato ramosis, raro bifidis v. subsimplicibus, remote articulatis, hinc inde præcipue apice incrassato-nodulosis, fuligineo-ferrugineis; conidiis

in ramulorum apice 1–3 insertis, oblongo-cylindraceis, utrinque rotundatis, plerumque rectis, raro subcurvis, 18–22 × 5–5½, 3–4-septatis, ad septa tandem leniter constrictis, 4–5-guttulatis, concoloribus.

Hab. in caule putrescente herbarum majorum e. g. Humuli Lupuli, *a Selva*, Sept. 1874.

Obs. A *Dendr. laxo* B. et Br. præcipue conidiis 4–5-(non 7–11-) septatis recedit.

39. **Echinobotryum læve** Sacc. sp. nov. Laxe gregarium effusum, atrum; hyphis brevibus simplicibus v. brevissime ramulosis, parce septatis, hyalinis; conidiis versus hypharum apicem laxe capitato-racemosis, ovatis v. subfusoideis, 12 × 6–7, apice attenuato-subapiculatis, basi subtruncatis, brevissime hyalino-stipitatis, lævibus, fuligineis, sursum pallidioribus.

Hab. in trunco decorticato Alni glutinosæ putrescente *a Selva*, Aug. 1874.

40. **Exosporium fructicola** Sacc. sp. nov. Acervulis subcircularibus, sub epidermide rimose dehiscente nidulantibus, erumpentibusque, atris, valde compactis; sporidochiis rufescentibus convexis catenulas conidiorum longiusculas, arcte aggregatas, ubique gerentibus; conidiis e globoso ovoideis, 10 × 8, quandoque 2–3 diu cohærentibus, olivaceis, superioribus intensius coloratis.

Hab. in fructibus putrescentibus Rosarum, *a Conegliano*, Martio 1876 (Spegazzini).

41. **Fusarium corallinum** Sacc. Myc. Ven. n. 568 – Fungi Veneti ser. V p. 196.

42. **Fusarium album** Sacc, sp. nov. Acervulis superficialibus, complanatis oblongis, confluentibusque, tenuibus, albis; conidiis in sterigmatibus filiformibus simplicibus rariusve furcatis, 40–50 × 2–2½ e basidio brevi crassiori penicillatim oriundis, acrogenis, botuliformibus, curvulis, utrinque rotundatis, 50 × 7–8, 5-septatis, non constrictis, ex albo hyalinis.

Hab. in cortice interiore putrescente Ulmi campestris, *a Vittorio*, Oct. 1873.

Obs. Affine *Fusario obtusato* Corda, a quo colore et septatione conidiorum satis recedit.

43. **Fusarium miniatum** Sacc. sp. nov. Acervulis effusis crassiusculis, subgelatinosis, vivide miniatis; sporophoris fasciculatis iterato (plerumque dichotome) ramosis, ramulis subfusoideis; conidiis bacillari-falcatis, 90–100 × 4–5, initio minute guttulatis, dein tenuiter 5–7-septatis, dilute roseis.

Hab. ad peridia, præcipûe vero ad sporangia putrescentia Cyathi vernicosi, Aug. 1874.

44. **Fusisporium Zavianum** Sacc. Effusum, albo-flocculosum, tandem medio dilute carneum, erumpenti-superficiale; hyphis undique versis, parce ramosis, continuis, sæpe guttulatis, hinc inde sporophora repetito dichotome ramosa gerentibus, ramulis sursum attenuatis; conidiis fusoideis, falcatis, 30–40 × 5–5½, utrinque acutiusculis, 3-septatis, ad septa parum constrictis e hyalino dilute roseïs.

Hab. in ramis tenellis, petiolis, cirrhis, pedunculisque vivis, quibus plagulas irregulares fuscas affert, quosque tandem enecat, Vitis viniferæ, præcipue varietatis etruscæ quæ *Salomona* audit, *a Vittorio,* Majo 1876, unde misit Doct. L. Zava.

45. **Fusisporium atrovirens** Bk., Sacc. Mycoth. Ven. n. 1038, Cooke Hndb. p. 621.

Hab. in foliis caulibusque Alliorum putrescentibus *a Vittorio,* Oct. 1875.

Obs. Conidia fusoideo-falcata utrinque acutiuscula, 25–30 × 6–7, 3-septata, olivaceo-fusca. Characteres *Fusisporii* sed habitus *toruloideus.*

46. **Corethropsis pulchra** Sacc. Sordide alba majuscula; hyphis sterilibus repentibus, filiformibus, septatis, hinc inde angulato-flexis; fertilibus ex hypharum sterilium angulis assurgentibus filiformibus, 110 × 7–8, sola ima basi 1-septatis, apice globulo conidiorum persistente 32 diam. ornatis; basidiis ex hypharum apice obtuse attenuato radiatim divergentibus, subclavatis, sterigmata 3–5 pariter divergentia clavulataque gerentibus; conidiis in sterigmatum apice acrogenis ovato-oblongis, 3 × 1, hyalinis.

Hab. in insectis putrescentibus eorumque Isariis

ad folia Carpini Betuli in sylva *Montello*, Aug. 1874; nec non ad folia Agrimoniæ Eupatorii *a Selva*, Aug. 1875, ut videtur, rarius.

Obs. Characteres generis ut *Cephalosporium*, sed capitula basidiis sterigmatibusque radiantibus instructa.

47. **Gonatobotrys flava** Bon. Hndb. p. 105 fig. 22–23, Cœm. Rev. p. 4.

Hab. in ramis putrescentibus Robiniæ Pseudacaciæ *a Conegliano*, Iunio 1876 (Spegazzini).

Obs. Conidia oblongo-ovoidea, basi subapiculata, 18–22 × 10–12, e hyalino dilutissime flava.

48. **Gonatobotrys fusca** Sacc. Mycoth. Ven. n. 1090. Effusa velutina, atro-fuliginea; hyphis fertilibus erectis, filiformibus, prælongis, subopacis, subcontinuis, 300–600 × 12–15, hinc inde nodoso-inflatis, nodis globosis, 25 diam., undique verruculoso-sporigeris; conidiis ovato-oblongis, utrinque obtusiusculis, 10–11 6–7, raro usque 14 × $7^1/_2$, dilute fuligineis.

Hab. in ligno quercino putrescente, in sylva *Montello*, Oct. 1876.

49. **Stachylidium extorre** Sacc. sp. nov. Effusum fusco-cinereum velutinum; hyphis erectis cylindraceis, basi paululum incrassatis, sursum sensim attenuatis, 200 × 4–5, septatis, dilute fuligineis, apicem versus verticillato-ramosis; ramulis pallidioribus, ternis-quinis, sursum attenuatis, simplicibus, quandoque iterum verticillato-ramulosis; conidiis in ramulorum apice globulos sphæricos, initio muco obvolutos, translucidos, 6–10 diam. efformantibus, dein (madore) diffluentibus, oblongis, 4 × $1^1/_2$, hyalinis.

Hab. in ligno putrescente decorticato Celtidis australis *a Vittorio*, Oct. 1875, rarius.

Obs. Conidia globulos conflare jugiter mihi visa sunt; si in statu juniore in catenulas digesta essent, species hæc cum genere *Hormodendro* (Harz) collideret; sed certe cum *St. bicolore* Lk, quale ego sumo, congener videtur.

50. **Stachylidium bicolor** Lk., Sacc. F. V. ser. V. p. 195.

51. **Stachylidium thelenum** Sacc. M. V. n. 918. Hyphis repentibus late effusis, intricato-ramosis, tomentosis, ex olivaceo fuligineis, subcontinuis; fertilibus erectis, septatis, 200–250 × 5, sursum verticillato-ramulosis, pallidioribus; conidiis in apice denticulato ramulorum 2–5 aggregatis, oblongis, 7–8 × $3^1/_2$, basi apiculatis, hyalino-fuscidulis.

Hab. in cortice duriore udo quercino, socia *Rosellinia thelena* (Fr.) Rabh., cujus statum conidicum sistit, in sylva *Montello*, Sept. 1876.

52. **Helminthosporium obclavatum** Sacc. sp. nov. Effusum, maculiforme, atrum; hyphis erectis, filiformibus, basi subincrassatis, 60–70 × 6–7, pauciseptatis, fuligineis; conidiis solitarie acrogenis obclavato-fusoideis, sursum sensim longe attenuatis, 90 × 15, apice rotundato, basi cuneato-truncatis, pluri-(18–24-) septatis, atro-fuligineis.

Hab. in ligno Alni glutinosæ putri *a Selva*, Nov. 1874.

53. **Helminthosporium cylindrosporum** Sacc. Fungi Veneti, ser. V p. 191 p. 210.

54. **Helminthosporium Hirudo** Sacc. sp. nov. Dense et indeterminate effusum, aterrimum; hyphis repentibus parcis, filiformibus septatis, fuligineis, dein evanidis; hyphis fertilibus brevissimis cylindraceo-conoideis, erectis, pauciseptatis, fuligineis; conidiis longissimis vermicularibus, sæpe incurvo-sigmoideis, hinc inde subconstrictis, sursum sensim attenuatis, apice summo rotundatis, basi cuneato-truncatis, crebre multi-(55–65-) articulatis, 200–230 × 15, atrofuligineis.

Hab. in ligno putri quercino *a Selva*, Sept. 1874.

55. **Helminthosporium hormiscioides** (Cda) Sacc., *Sporidesmium hormiscioides* Cda Ic. II fig. 26.

Hab. in ramis putrescentibus Buxi sempervirentis, *a Selva* Sept. 1875.

Obs. Hyphæ fertiles (sporophora), 2–4-septatæ, ochraceæ, 20–30 × 6; conidia vermicularia, cylindraceo-conica, 150–180 × 12–15, tortuosa, 35–45-articulata, fuliginea, articulo summo uno alterove subin-

flatis pallidioribus. Ab icone Cordæ l. c. sporophoris paululum recedit, sed cetera perfecte conveniunt. Ab *Helminth Hirudine* Sacc. (n. 54) differt præcipue conidiis brevioribus, multo magis tortuosis, apice plerumque hyalino-bullosis, septis minus crebris, minusque copiosis.

56. **Helicosporium lumbricoides** Sacc. Effusum, maculiforme, albido-griseum; hyphis repentibus filiformibus, ramosis, anastomosantibusque, 4–5 diam., remote septatis dilute fuligineis, ubique (ad conidiorum insertionem) hyalino-denticulatis; conidiis vermicularibus, in spiras 2–3½ laxas convolutis, 150 × 4, 1-serialiter pluriguttulatis, hyalinis.

Hab. in ligno quercino putri in sylva *Montello*, Sept. 1874.

Obs. Videtur status elatior *Helicomycetis*.

57. **Monilia candicans** Sacc. Myc. Ven. n. 364, Fungi Ven. ser. V p. 195.

58. **Monilia hesperidica** Sacc. Myc. Ven. n. 1091. Cæspitulis compactis, pulvinatis, ochraceo-flavis; hyphis adscendentibus, vage parce ramosis, septatis, 7–8 micr. crassis, apice v. prope apicem spinulosis; conidiis e spinulis oriundis, limoniiformibus, h. e. utrinque apiculatis, 20 × 12, paucis concatenatis, eguttulatis, flavis.

Hab. in lignis et muscis putrescentibus *a Colfosco*, in sylva *Montello*, aut. 1874–1876.

Obs. Ad gen. *Ægeritam* Bon. v. *Periolam* Fr. pari fere jure duci potest.

59. **Polyscytalum sericeum** Sacc. sp. nov. Cæspitulis candidissimis, pulvinatis, minutis, sericeis; hyphis assurgentibus, parce vage ramosis, 70–80 × 4, cylindraceis sursum attenuatis, parce septatis, hyalinis; conidiis in catenulas longas connexis, perfecte cylindricis, 12–15 × 1, rectis, utrinque truncatis et lenissime margine dilatatis, 2-guttulatis, hyalinis.

Hab. in foliis quercinis exsiccatis *a Conegliano*, Apr. 1876 (Spegazzini).

Obs. A *Polyscytalo fecundissimo* Riess in Fres

Beitr. t. XII f. 4, cui affine, differt hyphis perfecte albis, conidiisque utrinque truncato-subincrassatis. Huc verisimiliter *Fusidium sericeum* Rabh. D. C. F. Fungi p. 42.

60. **Polyscytalum griseum** Sacc. sp. nov. Cæspitulis pulvinatis, cæsio-griseis, velutinis; hyphis assurgentibus e basi incrassata sursum attenuatis, 30 × 3, simplicibus, 5–6–septatis, griseis; conidiis ex apice hypharum oriundis longe catenulatis, cylindricis, 5–5½ × 1, utrinque obtusiusculis, dilute cinereis.

Hab. in ramis cæsiis quercinis udis in sylva *Montello*, Sept. 1874, raro.

61. **Rhinotrichum chrysospermum** Sacc. Myc. Ven. n. 573, Fungi Veneti, ser. V p. 196.

62. **Rhinotrichum minutum** Sacc. sp. nov. Cæspitulis effusis, velutinis, e griseo fuscis; hyphis fertilibus gregariis assurgentibus, 100–120 × 3, basi bulbillosis, parcissime septulatis, fuligineis, sursum pallidioribus, ad conidiorum insertionem minutissime punctatis, infraque spiculam conidiorum oblique fusco-vaginatis (semper?); conidiis subglobosis, diam. 2–2½, in spiculam brevem laxam digestis, sessilibusque, hyalinis.

Hab. in ligno quercino putrescente, socio *Arthrobotryo stilboideo* Ces., in sylva *Montello*, Sept. 1874.

Obs. Ob sporophorum non vere denticulatum et ob conidia minuta subglobosa a gen. *Rhinotricho* desciscit; interea sectionem propriam (*Psilobotrys*) constituere potest.

63. **Rhinotrichum griseum** Sacc. sp. nov. Cæspitulis floccosis, e cæsio griseis cum soris Uredinearum concrescentibus; hyphis fasciculatis, continuis, simplicibus, cinereis, sursum acutiuscule hinc inde denticulatis; conidiis ex hypharum denticulis oriundis, limoniiformibus, 15–20 × 10, quandoque inæquilateralibus, concoloribus.

Hab. in soris Uredinis Ruborum in pagina inferiore foliorum Rubi cæsii et R. fruticosi in sylva *Montello* et *a Selva*, Sep. 1876.

Obs. Characteribus ad gen. *Ramulariam* quoque vergit sed vegetatione et habitatione ab hac longius distat.

64. **Ramularia Philadelphi** Sacc. Myc. Ven. n. 1049. Maculis arescendo brunneis angulosis; hyphis hinc inde cæspitulosis candidis, filiformibus, continuis, 30–40 × 2, sursum subdenticulatis; conidiis cylindraceo-fusoideis, 10–18 × 3, rectis, utrinque abrupte breve attenuatis, sæpe 2-guttulatis, hyalinis.

Hab. in foliis languidis Philadelphi coronarii *a Selva*, Sept. 1876.

65. **Ramularia Asperifolii** Sacc. Myc. Ven. n. 591, Fungi Ven. ser. V p. 186.

66. **Cercospora fulvescens** Sacc. Fungi Veneti ser. V p. 189.

67. **Cercospora Persica** Sacc. Myc. Ven. n. 578, Fungi Veneti ser. V p. 189.

68. **Cercospora cana** Sacc. Myc. Ven. n. 593, Fungi Ven. ser. V p. 188.

69. **Cercospora crassa** Sacc. sp. nov. Maculis arescendo subochraceis amphigenis; cæspitulis pusillis in iisdem maculis gregariis, fuscidulis; hyphis cylindraceis, 40–45 × 6–7, simplicibus v. breviter furcatis, apice obtusiusculis, 2–3-septatis, dilute ochraceis; conidiis concoloribus, ex oblongo sursum sensim longissime filiformi cuspidatis, totis 100–150 × 15–18, cuspide vix 2 micr. cr., 7–9-septatis, quandoque septulo spurio unico longitudinali.

Hab. in foliis languidis Daturæ Stramonii *a Selva*, aut. 1873–76.

Obs. Species prædistincta, transitum ad *Alternariam* parans.

70. **Cercospora Asparagi** Sacc. Myc. Ven. n. 1052. Maculis sordide albis v. griseis in cladodiis ramisque diffusis; hyphis hinc inde dense fasciculatis, filiformibus, tortuosis, nodulosis, prælongis, 150 × 5–6, septatis, fuligineo-ferrugineis; conidiis ex hypharum apice lateribusque obclavato-acicularibus, cuspidatis, curvulis, 120–130 × 4–5, 7–8-tenuiseptatis, perfecte hyalinis.

Hab. in cladodiis ramisque Asparagi officinalis *a Selva*, Sept. 1875.

71. **Sporidesmium Bizzozerianum** Sacc. Myc. Ven. n. 365, Fungi Veneti ser. V p. 193.

72. **Sporidesmium helicosporum** Sacc. Myc. Ven. n. 1064. Hypophyllum, maculas atras effusas velutinas efficiens; hyphis sterilibus repentibus, ramosis, parcis, fuscidulis, hinc inde sporigeris; conidiis brevissime stipitatis e basi obtusiuscula fusoideis, sursum longe circinato-cuspidatis, 130–150 × 11–14, 13–15-septatis, pluri-nucleatis, obscure olivaceo-fuligineis, sursum subhyalinis.

Hab. in pag. inf. foliorum vigentium v. languidorum Quercus pedunculatæ in sylva *Montello*, Oct. 1875–76.

73. **Septocylindrium virens** Sacc. Fungi Veneti ser. V p. 186. Varie effusum, maculiforme e glauco virens; conidiis catenulatis, cylindraceis, utrinque obtusiusculis 15 × 3, 3-septatis, viridulis.

Hab. in foliis ramisque putrescentibus Vitis viniferæ nec non herbarum elatiorum *a Selva e Vittorio*, aut. 1873–75.

74. **Septocylindrium dissiliens** (Duby) Sacc. Myc. Ven. n. 583, Fungi Veneti ser. V p. 186.

Hab. in pag. inf. foliorum Vitis viniferæ *a Vittorio*, Oct. 1875.

Obs. Conidia cylindracea utrinque obtusiuscula, 1–3-septata, 50–70 × 5–6, catenulata, ex olivaceo dilute virentia.

75. **Septocylindrium Bonordenii** Sacc. Mycoth. Ven. n. 1050, *Cylindrium septatum* Bon. Hndb. 35 fig. 16.

Hab. in foliis putrescentibus Galanthi nivalis in Horto botanico Patavino, Apr. 1876.

Obs. Conidia cylindracea, utrinque obtusiuscula, 30–40 × 4, initio continua, tandem 2–4-septata, hyalina.

76. **Saccharomyces sphæricus** Sacc. sp. nov. Acervulis minutis applanato-pulvinatis, gregariis, confluen-

tibusque, sordide albis; conidiis perfecte sphæricis, diam. 5–6 micr., in catenulas varie flexas, ramulosas sæpeque conglobatas digestis, ægre secedentibus, hyphopodiis oblongis v. subcylindricis, 10–15 × 5, basi sæpius fultis, nucleato-farctis, hyalinis.

Hab. in succo concreto et fermentescente Lycopersici esculenti *a Padova*, Iulio 1876.

77. **Sphæridium citrinum** Sacc. sp. nov. Capitulis gregariis, $^1/_8$–$^1/_{10}$ mill. diam., a matrice facillime secedentibus, subsessilibus, globulosis, citrinis quandoque in segmenta radiatim fissis; hyphis e basi capituli oriundis, iterato- sæpeque verticillato-ramosis, septatis, in conidia cylindracea, 5–6 × 1, utrinque subrotundata et 1–guttulata, catenulata, hyalino-flavida desinentibus.

Hab. in ligno putri Ulmi campestris *a Padova*, Febr. 1876 (G. Bizzozero).

Obs. Videretur *Cylindrium* seu *Polyscytalum* in capitulum coalita. A *Sphæridio vitellino* Fres. hæc species recedit conidiis brevioribus, ramose concatenatis, capitulis subsessilibus &c.

78. **Stigmella Montellica** Sacc. Myc. Ven. n. 1066. Acervulis punctiformibus, atris, plerumque hypophyllis, sæpe nervisequis; conidiis e sporidochio pulvinato, celluloso oriundis, aggregato-fasciculatis, ex ovato oblongis utrinque rotundatis, 30–34 × 15–19, 4–6–septato-muriformibus, ad septa non constrictis, obscure fuligineis.

Hab. in foliis petiolisque Salviæ glutinosæ vivis in sylva *Montello*, Sept. 1876.

Obs. In animo est sub genere reformato *Stigmella* colligere species *Sporidesmii* foliicolas, conidiis muralibus ornatas.

79. **Illosporium olivatrum** Sacc. sp. nov. Acervulis gregariis, superficialibus, globulosis, 100 circ. diam., e cellulis protuberantibus scabridis, atris, e catenulis cellularum (conidiorum) varie sed arcte complexis efformatis; conidiis cylindraceo-fusoideis, variis, plerumque curvulis, 10–15 × 6–7, vario modo connexis ex olivaceo fuscis.

Hab. in ligno putrescente *a Selva*, Sept. 1872, raro.

Obs. Cum nullo genere, nisi cum *Illosporio* e. g. *I. roseo*, cognatum et ab hoc colore desciscens. *Arthroderma* quoque affine videtur, sed conidiis globosis flavis gaudet.

80. **Sterigmatocystis candida** Sacc. sp. nov. Effusa, floccosa, candida; hyphis fertilibus erectis, filiformibus, continuis, diam. 14–15, apice vesiculoso-inflatis; vesicula 40 diam., sphæroidea asperula, undique basidiophora; basidiis radiantibus clavatis, apice sterigmata 3–4 filiformia gerentibus; conidiis e sterigmatum apice oriundis, catenulatis, inferioribus oblongis, ceteris globulosis, $2^1/_2$ diam., hyalinis. – Capitulum integrum diam. 100–120 micr.

Hab. in larvis insectorum putrescentibus *a Selva*, Sept. 1876.

Obs. Ad hoc genus quoque spectat *A. antacustica* Cr., *St. sulphurea* Fres., *St. dubia* (Corda sub *Aspergillo*), *St. italica* Sacc,, seu *Aspergillus sterigmatophorus* Sacc. Myc. Ven. 184 t. XVII f. 5–8.

81. **Coryneum intermedium** Sacc. sp. nov. Acervulis primo epidermide tectis, dein erumpentibus, numquam elevatis, aterrimis, laxiusculis; conidiis e strato hymenico crassiusculo lutescente oriundis longe stipitatis, oblongo-fusoideis, 28–32 × 10–11, 6–locularibus, loculis extimis minoribus, acutis, hyalinis, ceteris fuligineis; stipitibus fasciculatis, filiformibus, 70 × $1^3/_4$, hyalinis.

Hab. in cortice Ulmi campestris *a Vittorio*, Oct. 1873; et in ramis corticatis Populi Tremulæ *a Conegliano*, Iunio 1876 (Spegazzini).

Obs. Ob fabricam conidiorum *Coryneum Kunzei* Cda in memoriam revocat, a quo conidiis duplo et ultra minoribus statim dignoscitur. A *Cor. Tecomæ* Sacc. stipitibus multo longioribus, acervulis compactioribus &c. recedit.

82. **Coryneum pestalozzioides** Sacc. sp. nov. Acervulis minutis, maculas foliorum rufescentes degentibus, erumpentibus, minutis, aterrimis; conidiis ellipsoideis, 9 × 5, 3–septatis, loculis 3 interioribus fuscis, extimis

obtusiusculis hyalinis, stipitibus persistentibus, filiformibus, 12 × 1, hyalinis.

Hab. in foliis Cratægi Oxyacanthæ languidis in sylva *Montello*, Sept. 1875.

Obs. A *Cor. foliicola* Fckl. differt conidiis fere dimidio minoribus, brevius stipitatis &c. A *Sporidesmio epiphyllo* Lév. et *Hendersonia foliorum* Fckl. longius distat.

83. **Pestalozzia Veneta** Sacc. sp. nov. Acervulis gregariis subcutaneis, denique erumpentibus, lenticularibus, aterrimis; conidiis oblongo-fusoideis, 30–34 × 7, 5–septatis, ad septa non constrictis, loculis 4 interioribus fuligineis, minute guttulatis, extimis minoribus, hyalinis, seta terminali filiformi, 15–18 × 1, tortuosa hyalina; stipitibus filiformibus, fasciculatis, 40–45 × 1, e pseudostromate lutescente oriundis, hyalinis.

Hab. in ramis corticatis Corni sanguineæ *a Selva*, Sept. 1873; *a Conegliano*, Apr. 1876 (Spegazzini).

84. **Pestalozzia breviseta** Sacc. sp. nov. Acervulis minutis, maculas foliorum cinerascentes gregarie occupantibus, erumpentibus, atris; conidiis oblongis v. breve fusoideis, 25–26 × 7, 4–septatis, loculis 3 interioribus fuligineis, extimis acutis cum setis stipiteque hyalinis; setis terminalibus ternis, filiformibus, brevibus, 8–10 × 1, stipite filiformi, brevissimo, 3 × 1.

Hab. in pagina inferiore foliorum Pyri communis et Carpini Betuli *a Selva*, Sept. 1876, rarius.

85. **Glæosporium sphærelloides** Sacc. Myc. Ven. n. 1096. Acervulis amphigenis, punctiformibus, initio epidermide velatis, nigris; basidiis dense fasciculatis, filiformibus, septulatis, subsimplicibus, 40–50 × 3–5, fuligineo-ochraceis, sursum hyalinis; conidiis ovato-oblongis, 10–12 × 5–6 guttulatis v. nubilosis, hyalinis.

Hab. in foliis exsiccatis Hoyæ carnosæ in Horto botanico Patavino, Oct. 1876.

Obs. Ob basidia densa colorataque cum gen. *Ex-*

osporio vel *Hadrotricho* species hæc quoque convenit.

86. **Glæosporium carthusianum** Sacc. Myc. Ven. n. 970. Acervulis in maculis foliorum expallentibus subcircularibus remote sparsis, prominulis, initio epidermide velatis, flavidis; conidiis in basidiis brevissimis apice rotundatis acrogenis, oblongo-cylindraceis. 30 × 9–12, constricto–2–septatis, guttulatis, hyalinis; loculis quandoque secedentibus.

Hab. in foliis languidis Evonymi europei in sylva *Montello*, loco ubi erat Carthusia, Sept. 1876.

87. **Phyllosticta Forsythiæ** Sacc. Myc. Ven. n. 979. Maculis subcircularibus, arescendo ochraceis; peritheciis epiphyllis, sæpe concentrice dispositis, lenticularibus pertusis, 150–180 diam., initio fulvis, velatis; spermatiis ovoideis, 5–7 × $2^1/_2$–3, 2–guttulatis, hyalinis.

Hab. in foliis Forsythiæ suspensæ languidis in Horto Patavino, Oct. 1876.

88. **Ascochyta physalina** Sacc. Myc. Ven. n. 985. Maculis arescendo ochraceis, vagis; peritheciis immerso-prominulis, epiphyllis, 110 diam., pertusis; spermatiis cylindraceo-oblongis, constricto–1–septatis, 25–28 × 8, 2–4–guttulatis, hyalinis.

Hab. in foliis languidis Physalis Alkekengi in sylva *Montello*, Oct. 1876.

89. **Septoria compta** Sacc. sp. nov. Maculis arescendo ochraceis, angulosis; peritheciis immersis, globulosis, diam. 130, ferrugineis, ostiolo obtuso latiuscule hiantibus; spermatiis cylindraceis curvulis, 20–25 × 5, utrinque obtusiusculis, 3–5–septatis, ad septa constrictis, hyalinis, denique in cirrhum albidum protrusis.

Hab. in foliis languidis Trifolii alpestris *a Selva*, Sept. 1876.

90. **Septoria pterophila** Sacc. sp. nov. Peritheciis laxe sparsis, e globoso lenticularibus, diam. 100–150, innato-prominulis, ostiolo impresso indistincto, atro-fuligineis; spermatiis cylindraceo-vermicularibus utrinque obtusiusculis, 45–50 × $3^1/_4$–4, 6–7–septatis, ad septa non constrictis, e hyalino chlorino-olivaceis.

Hab. in alis putrescentibus Cicadæ Orni *a Conegliano*, Dec. 1876 (Spegazzini).

91. **Hormococcus olivascens** Sacc. sp. nov. Perithecciis (spuriis?), sparsis, v. subcæspitulosis, innato-erumpentibus, e globoso conoideis vertice applanatis, astomis, quandoque (collabescendo?) disciformibus, atris; sporophoris dense fasciculatis filiformibus simplicibus, furcatis, v. fasciculato-ramosis, 25–30 × $1^3/_4$–2, septulatis, hyalinis, apice in spermatia cylindracea, 3–6 × $1^1/_2$–$2^1/_2$, utrinque obtusa, continua, olivacea abeuntibus.

Hab. in ramis corticatis putrescentibus Vitis viniferæ, Paliuri aculeati, Paulowniæ imperialis, Lauri nobilis, Persicæ vulgaris, Populi nigræ nec non in fructibus Robiniæ et Paulowniæ *a Selva*, *Padova*, *Conegliano*, aut. 1874–76.

92. **Sacidium Spegazzinianum** Sacc. sp. nov. Perithecciis sparsis, superficialibus, dimidiatis scutiformibus, diam. 300–400 micr., aterrimis, nitidulis, ostiolo nullo manifesto, contexta fuligineo, punctulato; spermatiis e mutua pressione initio subangulosis, dein perfecte sphæricis, 10–12 diam., e hyalino flavis, minute pluriguttulatis.

Hab. in foliis languidis Aristolochiæ Clematitis *a Conegliano*, Iunio 1876, raro (Spegazzini).

Obs. Species contextu perithecii non vere celluloso sed punctato singularis; cum Plasmodiophoris non comparanda.

93. **Leptothyrium pictum** B. et Br., Sacc. Myc. Ven. n. 964–965. *Phyllosticta vulgaris* f. *Xylostei* Myc. Univ. n. 489, *non* Dmz.; an *Phyll. Loniceræ* West.?

Hab. in foliis Loniceræ Xylostei et L. Caprifolii *a Conegliano e Susigana*, aut. 1876 (Spegazzini et Saccardo).

Obs. Maculæ arescendo expallentes, subrotundæ; perithecia sparsa epiphylla, innato-erumpentia, scutiformia, atra; radiatim texta, dein radiatim dehiscentia; spermatia oblonga rostrato-recurva, 25–10, guttulata hyalina.

94. **Muricularia** Sacc. nov. gen. Peritheciis globosis, astomis, membranaceo-tenacellis, superficialibus, undique muriculatis; spermatiis variis botuliformibus, quandoque gibbosis v. subramulosis. – **Muricularia eurotioides** Sacc. sp. nov. Peritheciis globosis, membranaceo-tenacellis, ex albo ochraceis, 100 micr. diam., undique aculeolos elongato-conoideos, 1–cellulares, ima basi annulato-subconstrictos, hyalinos gerentibus; perithecii contextu minute granuloso; spermatiis copiosissimis e strato proligero tenui immediate oriundis, polymorphis nunc botuliformibus, nunc medio ventricosis, nunc subfurcatis, polis obtusiusculis et 1–guttulatis, hyalinis, jodii ope intense cærulascentibus, strato proligero vero eadem ope intense flavescente.

Hab. in nidis vesparum putrescentibus, socio *Aspergillo virente* Lk. *a Padova*, Sept. 1874.

95. **Coniothyrium fœdans** Sacc. sp. nov. Peritheciis gregariis, v. hinc inde aggregatis, cortice nidulantibus, nigris, farctis dein cavis, ostiolo impresso, minuto; perithecii contextu parenchymatico olivaceo-fuligineo, distincto; stylosporis copiosis, ut plurimum perfecte globosis diam. 2–3, rarius globoso-ellipsoideis, 4 × 3, initio brevissime stipitatis, hyalinis, denique olivaceis, 1–guttulatis, tandem effusis corticemque late olivatro-inquinantibus.

Hab. in ramis corticatis Robiniæ Pseudacaciæ *a Selva*, Aug. 1875 et Mori albæ *a Vittorio*, Apr. 1873.

Obs. A *Conioth. Fuckelii* Sacc. peritheciis majoribus, stylosporis globosis minoribus denique inquinantibus recedit. Habitus *Melanconii*, sed perithecia adsunt.

96. **Hendersonia biseptata** Sacc. sp. nov. Peritheciis gregariis subcutaneo-erumpentibus, diam. 80–90, globulosis, papillatis, atris; contextu membranaceo-carbonaceo, parenchymatico, distincto; stylosporis ellipsoideis, initio stipitellatis, continuis, dein 3–locularibus, vix constrictis, loculo medio quandoque breviore 10–12 × 5–6, fuligineis.

Forma **Capparidis**: stylosporis ad septa magis constrictis, 14–15 × 7–7½.

Forma **Pruni domesticæ**: stylosporis leniter constrictis, 10 × 4–5, dilutioribus.

Hab. in ramulis Iasmini officinalis *a Vittorio*, Oct. 1875; forma *Capparidis* in ejusdem sarmentis *a Conegliano*, Apr. 1876 (Spegazzini); forma *Pruni domesticæ*, in ejusdem ramulis *a Padova*, Apr. 1873.

97. **Hendersonia** (Camarosporium) **sarmenticia** Sacc. sp. nov. Peritheciis sparsis erumpenti-superficialibus, subcarbonaceis, globosis, majusculis, atris, in ostiolum breve cylindraceum attenuatis; stylosporis e globoso ellipsoideis, inæqualibus, 22 × 12–14, sæpe in basim subcuneatis, 3–septato-muriformibus, ad septa vix constrictis, opace fuligineis, loculis extimis pallidioribus.

Hab. in sarmentis corticatis Hederæ Helicis *a Padova*, Majo 1873.

98. **Diplodia imperialis** Sacc. sp. nov. Peritheciis globulosis, subsuperficialibus, 100–110 diam., breve papillatis, fuligineo-atris, membranaceis; stylosporis oblongo-fusoideis, minutis, 8–10 × 3, 1–septatis, non v. vix constrictis pallide olivaceis.

Hab. in ramis decorticatis putrescentibus Paulowniæ imperialis *a Conegliano*, Iunio 1876 (Spegazzini).

99. **Diplodia microspora** Sacc. sp. nov. Peritheciis laxe gregariis, epidermide tumidula velatis, dein semierumpentibus, globulosis, depresso-papillatis; nucleo farcto atro; stylosporis oblongis, 10–15 × 4–5, rectis v. rarius inæquilateralibus, 1–septatis, vix constrictis, e strato proligero cellulari hyalino orientibus, fuligineo-ochraceis.

Hab. in ramulis corticatis putrescentibus Coryli Avellanæ, Quercus, Cerasi, Carpini, Aceris campestris, Pruni domesticæ, ubique immutata species, *a Selva, Padova*, aut. 1873–75.

100. **Chætomella atra** Fckl. Symb. myc. p. 402.

Hab. in culmis Arundinis Donacis putrescentibus *a Padova*, Martio 1875.

Obs. Perithecia superficialia, atro-olivacea, globosa dein umbilicata, v. subcupularia, setosa, astoma, contextu distincte radiatim parenchymatico, virescente-olivaceo; setæ paucæ, strictæ, parce septatæ, 110–8; spermatia copiosissima, cylindraceo-fusoidea, 12–15 × 2–3, minute 2-guttulata, olivacea.

*C. **lignicola**: peritheciis demum cupularibus, cæterum typo similibus; spermatiis fusiformibus v. subclavulatis, 12–15 × $2^1/_2$, sæpius 2-guttulatis, olivaceis, paraphysibus (sterigmatibus?) filiformibus, 60–70 × 1, intermixtis.

Hab. in ramis decorticatis variis *a Selva, Conegliano*, aut. 1875.

101. **Protomyces graminicola** Sacc. Myc. Ven. n. 496, Fungi Ven. ser. V. p. 172.
102. **Protomyces reticulatus** Sacc., Fungi Ven. ser. VI p. 13 n. 74.
103. **Protomyces Bizzozerianus** Sacc. Myc. Ven. n. 889, Fungi Ven. ser. VI p. 14 n. 75.
104. **Protomyces xylogenus** Sacc. Fungi Ven. ser. VI p. 14 n. 76.
105. **Phragmidium microsorum** Sacc. Myc. Ven. n. 848, Fungi Ven. ser. VI p. 10 n. 49.
106. **Polyporus sericellus** Sacc. Myc. Ven. n. 818, Fungi Ven. ser. VI p. 163.
107. **Ceriomyces terrestris** Schulz., Sacc. Myc. Ven. n. 836, Fungi Ven. ser. V p. 167.
108. **Patellaria nigerrima** Sacc. Fungi V. ser. IV p. 29.
109. **Lecanidion herbarum** Sacc. Fungi Ven. ser. IV p. 30.
110. **Lecanidion Bagnisianum** Sacc. Fungi Ven. ser. VI p. 58 n. 205.
111. **Niptera brachyspora** Sacc. Fungi Ven. ser. IV p. 32.
112. **Hyalopeziza Caricis** (Dmz.) Sacc. Fungi Ven. ser. IV p. 33.
113. **Belonidium basitrichum** Sacc. Fungi Ven. ser. IV p. 35, et **Helminthosporium belonidium** Sacc., ejusdem status conidicus.

114. Sclerotinia orcophila Sacc. Fungi Ven. ser. IV p. 35.
115. Helotium nanum Sacc. Fungi Ven. ser. IV p. 36.
116. Helotium flavo-rufum Sacc. Fungi Ven. ser. IV p. 37.
117. Helotium querceti Sacc. Fungi Ven. ser. VI p. 68.
118. Pocillum Cesatii (Mtgn.) DNtrs, Myc. Ven. n. 952, Fungi Ven. ser. VI p. 67.
119. Calloria leucostigmoides Sacc. Fungi Ven. ser. VI p. 63.
120. Cryptodiscus major Sacc. Fungi Ven. ser. VI p. 62.
121. Glonium microsporum Sacc. Myc. Ven. n. 261, Fungi Ven. ser. IV p. 25.
122. Hysterium Bérengerii Sacc. Fungi Ven. ser. IV p. 25.
123. Hysterium minimum Sacc. Fungi Ven. ser. IV p. 27 et ser. VI p. 55 n. 193.
124. Lophodermium Epimedii (Ces.) Sacc. Myc. Ven. n. 949, Fungi Ven. ser. VI p. 56.
125. Caldesiella italica Sacc. Fungi Ven. ser. VI p. 6.
126. Dimerosporium pulchrum Sacc., stat. conid. Sarcinella heterospora Sacc. Cfr. Sacc. Fungi Ven. ser. II p. 299.
127. Dimerosporium pulchrum Sacc., stat. ascoph. Cfr. l. c.
128. Anthostoma Venetum Sacc. Fungi Ven. ser. VI p. 25.
129. Anthostomella limitata Sacc. Fungi Ven. ser. IV pag. 1.
130. Anthostomella tomicoides Sacc. Fungi Ven. ser. IV pag. 1.
131. Anthostomella nitidula Sacc. Fungi Ven. ser. IV pag. 2.
132. Didymosphæria nitidula Sacc. Fungi Ven. ser. VI pag. 42.
133. Didymosphæria socialis Sacc. Fungi Ven. ser. II pag. 324.

134. **Didymosphæria anaxæa** Sacc. Fungi Ven. ser. II pag. 325.
135. **Amphisphæria Spegazziniana** Sacc. Fungi Ven. ser. VI pag. 32.
136. **Bertia macrospora** Sacc. Fungi Ven. ser. III p. 8.
137. **Botryosphæria pustulata** Sacc. Fungi Ven. ser. IV pag. 3.
138. **Eriosphæria exigua** Sacc. Fung. V. ser. II p. 325.
139. **Kalmusia dealbata** Sacc. Myc. Ven. n. 677, Fungi Ven. ser. V p. 179.
140. **Fenestella phæospora** Sacc. Myc. Ven. n. 162, Fungi Ven. ser. IV p. 13.
141. **Lasiosphæria perpusilla** Sacc. Fungi Ven. ser. II pag. 327.
142. **Enchnosphæria passicrinis** Sacc. Fungi Ven. series II pag. 327.
143. **Herpotrichia Schiedermayeriana** Fckl., Sacc. Fungi Ven. ser. II p. 326.

    Obs. Asci clavati, paraphysati, 110–120 × 12–14, octospori; sporidia disticha v. oblique monosticha, fusoidea, 1–3–septata, 35–38 × 5–6, 4–guttulata, mellea.
144. **Leptosphæria littoralis** Sacc. Fungi Ven. ser. VI pag. 38.
145. **Massaria eburnoides** Sacc. Fungi Ven. ser. VI pag. 41.
146. **Lophiostoma** (Schizostoma) **Montellicum** Sacc. Fungi Ven. ser. VI p. 43.
147. **Hypoxylon** (Epixylon) **pulchellum** Sacc. Fungi Ven. ser. IV p. 21.
148. **Hypoxylon** (Epixylon) **Bagnisii** Sacc. Fungi Ven. ser. VI p. 24.
149. **Rosellinia Sylvana** Sacc. Fungi Ven. ser. II p. 329 et ser. VI p. 26.
150. **Rosellinia apiculata** Sacc. Fungi Ven. ser. VI pap. 26
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152. **Valsaria anthostomoides** Sacc. Fungi Ven. ser. IV pag. 18.
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154. **Calonectria varians** Sacc. Fungi Ven. ser. VI pag. 52.
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156. **Nectria Mantuana** Sacc. Fungi Ven. ser. VI p. 52.
157. **Cryptosporella Veneta** Sacc. Fungi Ven. VI p. 30.
158. **Valsa** (Eutypa) **arundinacea** Sacc. Fungi Ven. ser. IV p. 15.
159. **Cryptovalsa arundinacea** Sacc. Fungi Ven. ser. IV p. 17 – Myc. Ven. n. 210.
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MYCOTHECÆ VENETÆ

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P. A. SACCARDO

(a Majo 1874 ad Januar. 1877).

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Patavii 1877, Typ. Seminarii.

Januar. 1878. Num. II.

MICHELIA

COMMENTARIUM MYCOLOGIÆ ITALICÆ

curante P. A. SACCARDO

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PATAVII
TYPIS SEMINARII
1878

FUNGI NOVI

EX HERBARIO

PROFESSORIS DOCT. P. MAGNUS BEROLINENSIS

AUCTORE

P. A. SACCARDO

Clarissimus professor P. Magnus fungos ab ipso in variis itineribus suis per Daniam, Germaniam, Helvetiam, Italiam etc. collectos, nec non ab amicis communicatos, paucos ante menses determinandos benevole tradidit. Species, præter novas, non paucas rariores videre gavisus sum. Tales e. g *Hypocrea citrina* (Pers.) Fckl., *Anthostomella lugubris* (Rob. & Dmz.) Sacc., *Leptosphæria derasa* B. & Br., *Pleospora deflectens* Karst. (cui *P. vagans* Niessl affinis), *Pleospora hispida* Niessl, *Nectriella miltina* (Mtgn.) Sacc., *Cronartium asclepiadeum* Fr. f. *Gentianæ asclepiadeæ* Rbh., *Nematogonium aurantiacum* Dmz., *Haplaria repens* Bon., *Trichocladium asperum* Harz., *Cercospora Lythri* (West.) Niessl, *Septoria Oreoselini* (Lasch) Niessl etc. etc. Species mihi novæ visæ multæ adsunt, in quarum numero plures, ut videbitur, nobiliores. Diagnoses sequuntur.

Hymenomyceteæ.

1. **Solenia exigua** Sacc. Dense gregaria argillaceo-lutescens; tubulis cylindricis $^1/_2$ mill. altis, exilibus, adscendentibus v. subobliquis, intus obscurioribus, extus ob hyphas continuas, 3 diam., patenti-recurvas apice sæpe hyalino-inflatas velutinis; sporis....

   Hab. in ligno putrescente in calidario Palmarum Horti botanici Berolinensis, 1873 (P. Magnus).

   Obs. A *Solenia ochracea* Fr., Cooke F. B. ed. II. n. 405 differt tubulis tenuioribus sed longioribus, argillaceis nec ochraceis etc. Ab *Hydnis* (Sect. V* in Fr. Hym. Eur. p. 612) longius distat.

Protomyceteæ.

2. **Protomyces carpogenus** Sacc. Sporis in acervulos applanatos epidermide velatos, varie extensos, lateritio-roseos dense aggregatis, globulosis v. globoso-ovoideis quandoque obsolete angulosis, 18-20 micr. diam. vel 25 × 20, pallide ochraceo-roseis, nubilosis, episporio concolori 1 micr. crasso.

Hab. in cortice Cucurbitæ, socia *Phoma decorticante* DNtrs ad *Travemünde an der Ostsee bei Lübeck*, 1873 (P. Magnus).

3. **Protomyces fallax** Sacc. Foliicola, epidermide tectus, gregarius; sporis globosis 16–20 micr. diam., lævissimis, guttulatis v. 1-nucleatis, initio hyalinis, tunica $^1/_2$–2 micr. crassa, dilutissime fusca, tandem sporis totis fuscidulis.

Hab. in foliis Pini sylvestris putrescentibus cum *Sphæropside Strobi* B. et Br. var., Berolini (P. Magnus).

Obs. Cum *Cœomate Abietis, Peridermiis* etc. comparavi sed omnino diversus.

Ascomyceteæ.

Gymnoascaceæ.

4. **Taphrina? candicans** Sacc. Cæspitulis hypophyllis, applanatis, velutinis, candicantibus; ascis fasciculatis sessilibus cylindraceo-clavatis, 75 × 12, apice obtusis truncatisve, basi obtuse attenuatis, tunica apice integra, diu granuloso-farctis, dein obscure polysporis; sporidiis globosis ovatisve, 5–6 × 4–5, sæpe initio in catenulas 3–4-sporas junctis, dein secedentibus, hyalinis.

Hab. in pagina inferiore foliorum adhuc viventium Teucrii Chamædryos prope Tergestum, Nov. 1873 (P. Magnus).

Obs. De genere et de autonomia paululum adhuc dubito. Cum *Erineaceis* (= *Cæcidiis*, ergo entomogeneis) confundi nequit.

5. **Rhaphidophora maritima** Sacc. Peritheciis gregariis, foliorum parenchymate immersis, globosis, diam. $^1/_3$ mill. nigris, contextu distincte celluloso fuligineo, ostiolis epidermidem perforantibus, brevissimis, truncatis; ascis cylindricis, 140–180 × 10–12, apice obtuse rotundatis, basi breve attenuato-stipitatis, paraphysibus nullis, 8sporis; sporidiis filiformibus, ascos subæquantibus, 15–18-septatis, tandem in articulos cylindricos, 15–20 × 2, utrinque truncatos 1-septatos, perfecte hyalinos secedentibus.

Hab. in foliis Zosteræ marinæ ad *Lister Rhede auf der Insel Sylt in der Nordsee an der Küste von Schleswig,* Sept. 1874 (P Magnus).

Obs. Ob sporidia in articulos biloculares (ut descripsi) secedentia a ceteris speciebus rite diversa.

6. **Leptosphæria Graminum** Sacc. Peritheciis sparsis punctiformibus, $^1/_{10}$–$^1/_{12}$ mill. diam., globulosis, innato-erumpentibus papillulatis, contextu perithecii distincte parenchymatico fuligineo; ascis cylindraceo-clavatis, brevissime crasse stipitatis, 50–60 × 12–15, apice tunica integra obtusiusculis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis oblongo-fusoideis, 15–16 × 4, rectiusculis, diu 4-nucleatis, dein 3-septatis, non constrictis, hyalinis.

Hab. in foliis emortuis Calamagrostidis prope Berolinum (P. Magnus).

Obs. In operibus Auerswaldii, Cookei, Fuckelii, Karstenii, Niesslii hanc speciem reperire nequeo; nonnihil ad *Lept. Ophiopogonis* Sacc. accedit.

7. **Leptosphæria littoralis** Sacc, Fungi ital. tab. 144 et Michelia fasc. I. pag. 38-f. **Calamagrostidis arenariæ**. A typo paululum recedit sporidiis non guttulatis sed nubilosis; ex ætate?

Hab. in ejusdem foliis emortuis ad *Reinickendorf* prope Berolinum, Jul. 1868 (P. Magnus). Forma typica

in Psamma arenaria ad *Heringsdorf bei Swinemünde an der Ostsee* (P. Magnus).

8. **Leptosphæria anceps**, Sacc. Peritheciis sparsis, subcutaneis, prominulis, globoso-lenticularibus, punctiformibus, 150 micr. diam., ostiolo impresso pertuso; perithecii contextu distincte parenchymatico fuligineo; ascis cylindraceis brevissime nodoso-stipitatis, 50–55 × 8, apice tunica integra obtusiusculis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis v. oblique monostichis, oblongo-fusoideis, 15–16 × 3 ½, rectis curvulisve, 3-septatis, ad septa non constrictis, utrinque obtusiusculis flavo-olivaceis.

Hab. in ramis nondum emortuis Ribis nigri in *Thiergarten* Berolini, Julio 1873 (P. Magnus).

Obs. Affinis *Leptosphæriæ parvulæ* Niessl Beitr. 23, a qua differt ascis cylindraceis, angustioribus, sporidiis paulo minoribus, flavidis et habitatione prorsus aliena. Affinis quoque *Lept. Coniothyrio* (Fckl.) Sacc. a qua differt ascis conspicue brevioribus, crassioribusque, sporidiis sæpius distichis flavidis, nec fuscis etc.

9. **Leptosphæria oreophila** Sacc. Peritheciis sparsis v. gregariis epidermide tumidula, dein fissa, velatis, globoso-lenticularibus, breve sed distincte papillatis, diam. 250 micr., basi hyphis parcis fuligineis cinctis, contextu membranaceo distincte parenchymatico fuligineo; ascis cylindraceo-clavatis, 60–70 × 12, breve crasseque stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis, in ascis diu permanentibus, cylindraceo-fusoideis, 28–30 × 4, utrinque obtusiusculis, curvulis, 5-locularibus, loculo secundo superiore leniter crassiore, 5-guttulatis, olivaceis.

Hab. in caulibus emortuis Tofieldiæ calyculatæ in *Rax-Alpe beim Sömmering* Austriæ, Aug. 1864 (E. von Marenzeller in herb. P. Magnus).

Obs. A *Leptosphæria culmicola* (Fr.) Karst., cui valde affinis, differt præcipue peritheciis majoribus, sporidiis ut plurimum 5-locularibus, loculo turgidiore secundo, olivaceis; præterea habitu et habitatione alienis.

10. **Pleospora polyphragmia** Sacc. Peritheciis laxe gre-

gariis, subcutaneis, tandem erumpenti-superficialibus, e globoso depressis, collabescendo umbilicatis, majusculis, diam. $^1/_3$–$^1/_2$ mill., ostiolo papillato, minutissimo, initio undique laxe pilosellis, tandem calvescentibus, pilis subtortuosis, septulatis, opace fuligineis, sursum pallidioribus; ascis clavatis, breve crasse stipitatis, 150 × 30, apice rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis, ovato–oblongis, 35–40 × 15–18, utrinque rotundatis, sed polo superiore obtusiore, 13–15-septatis, denseque muriformibus, ad septa lenissime (ad medium distinctius) constrictis, fuligineis.

Hab. in caulibus herbarum majorum putrescentibus in *Radaster-Thal* prope *Trins* in Tyrolia, Aug. 1874. (P. Magnus).

Obs. Sporidiis creberrime septatis peritheciisque pilosellis a ceteris speciebus affinibus facile distinguitur.

11. **Pleospora lanuginosa** Sacc. Peritheciis tectis gregariis globoso–compressis, majusculis, $^1/_2$–$^1/_1$ mill. diam., extus undique breve griseo-lanuginosis, pilis ramosis intricatis continuis fuscidulis; ostiolo punctiformi papillato, epidermidem vix perforante; perithecii contextu distincte celluloso, fuligineo; ascis cylindraceo–clavatis, mediocriter nodulosо–stipitatis, apice tunica integra rotundatis, 140–150 × 16–18, paraphysibus nullis genuinis, octosporis; sporidiis distichis oblongo–fusoideis rectis curvulisve, 30–36 × 8, 5–6-septatis ad septa tandem leniter constrictis, septis longitudinalibus 1–3 1-seriatis, dilute melleis.

Hab. in vaginis graminum majorum (Glyceriæ?) in *Ausgang des Parkes von Lanke nach Riesenthal zu* in Marchia *Brandenburg*, Majo 1872 (P. Magnus).

Obs. Perithecia quandoque in pagina interiore vaginarum seminudata basique (*Plagiostomæ devexæ* ad instar) umbilicata conspiciuntur. Species a ceteris mihi notis conspicue diversa.

12. **Physalospora fallaciosa** Sacc. Peritheciis sparsis gregariisque innato–erumpentibus e globoso lenticularibus 150 micr. diam., atrimis, breve papillatis, conte-

xtu distincte celluloso fuligineo; ascis cylindraceo-clavatis breve crassiuscule stipitatis, 75–85 × 12–15, apice, lumine initio leniter coarctato, obtusis, paraphysibus filiformibus evanidis obvallatis, octosporis; sporidiis distichis v. oblique monostichis, ovato-oblongis, 15–18 × 5 $^1/_2$–7, rectis curvulisve utrinque obtusiusculis, strato exiguo gelatinoso primitus obvolutis, granulosis, hyalinis.

Hab. in foliis bracteisque languidis Aletridis et Musæ in horto botanico Berolinensi, Aug. 1873 et Majo 1875 (P. Magnus).

13. **Physalospora? Koehneana** Sacc. Peritheciis gregariis subcutaneis, tectis dein epidermide fissa semi-erumpentibus, aterrimis, globoso-lenticularibus, $^1/_8$–$^1/_6$ mill. diam., contextu distincte celluloso fuligineo, ostiolo minutissimo papillato; ascis cylindraceis quandoque cylindraceo-fusoideis, 100 × 15–20, subsessilibus, apice, lumine leniter coarctato, obtusatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis monostichis v. subdistichis, rarius transverse positis, ellipsoideis, 14–16 × 8, strato mucoso hyalino diu obvolutis, granulosis, hyalinis.

Hab. in pagina superiore foliorum languidorum Astragali cujusdam prope *Fürstenwalde* in Marchia *Brandenburg* (Koehne in herb. Magnus).

Obs. Perithecia epidermide leniter nigrificata tecta. Si sporidia dein fuliginea fiant, tunc species ad gen. *Anthostomellam* migraret.

14. **Sphærella Adonis** Sacc. Peritheciis laxe gregariis, punctiformibus, globulosis, papillulatis, 80–100 micr. diam., innato-erumpentibus; contextu distincte parenchymatico, solidiusculo, fuligineo; ascis cylindraceo-fusoideis, 80–90 × 15, breve crasse stipitatis, aparaphysatis, octosporis, apice, tunica integra, rotundatis; sporidiis distichis elongato-fusoideis, 28–30 × 4 $^1/_2$–5, rectis curvulisve utrinque obtuse attenuatis, 1-septatis, non constrictis, hyalinis.

Hab. in pagina inferiore et parcius in superiore foliorum Adonidis vernalis in Marchia *Brandenburg* (O. Reinhardt in herb. P. Magnus).

Obs. Affinis, quoad sporidia, *Sphærellæ Populi* Awd.

15. **Pleonectria Berolinensis** Sacc. Peritheciis erumpenti-superficialibus, in cæspitulos pulvinatos aggregatis e globoso depressis, diam. $^1/_3$–$^1/_2$ mill. mox umbilicato-scutellaribus, lateritio-rubris, contextu laxe celluloso, rubescente, ostiolo impresso; ascis cylindraceis, subsessilibus, 90–100 × 10, apice coarctato-truncatis, paraphysibus genuinis nullis, 8sporis; sporidiis monostichis ovato-oblongis, 18–20 × 8, utrinque obtusiusculis, tenuiter 7-septato-muriformibus, non constrictis, minute guttulatis, hyalinis.

Hab. in ramis emortuis Ribis aurei (?) in Horto botanico Berolinensi (P. Magnus).

Obs. Habitus *Netriæ sinopicæ* sed fructificatio prorsus aliena.

16. **Chætomium calvescens** Sacc. Peritheciis superficialibus e basi applanata globulosis, diam. $^1/_4$–$^1/_5$ mill., aterrimis, contextu distincte celluloso, fuligineo, breve sparse pilosellis; ascis.... (diffluentibus?); sporidiis ellipsoideo-limoniiformibus (h. e. utrinque breve obtuse apiculatis), 10–14 × 5–5 $^1/_2$, pluriguttulatis, fulvo-ferrugineis.

Hab. in ligno pineo putrescente, socia *Magnusia nitida*, Berolini 1869 (P. Magnus).

Obs. Colore et magnitudine sporidiorum facile dignoscenda species.

17. **Magnusia** Sacc. nov. gen. Perithecia e globoso horizontaliter oblonga, membranaceo-carbonacea, astoma, glabra, basi filamentis paucis apice circinatis cincta. Asci.... diffluentes? Sporidia continua, olivacea.

Obs. Hoc novum genus, præclaro inventori Paulo Magnus jure meritoque dicatum, a *Chætomio* differt peritheciis nitidissimis, applanato-oblongis, sola ima basi filamentis parcis cinctis; a *Perisporio* forma perithecii filamentisque apice exquisite circinatis, fuligineisque; ab *Apiosporio,* cui forte affinius, filamentis iisdem, sporidiis fuscis etc.

18. **Magnusia nitida** Sacc. Peritheciis superficialibus, horizontaliter oblongis $^1/_4$–$^1/_3$ lg., aterrimis, nitidissimis, astomis, contextu minute sed distincte celluloso, fuligineo, basi

filamentis 6–8. plerumque geminatis, perithecio paulo longioribus, apice exquisite circinatis, fuligineis cinctis; sporidiis ellipsoideis, minutis, 4–5 × 3 1/2, lutescenti-olivaceis, guttulam hyalinam includentibus.

Hab. in ligno pineo putri Berolini, socio *Chætomio calvescente,* 1869 (P. Magnus).

Obs. Sporidia quandoque in glomerulos congregata videntur, an ergo primitus in ascis (cito diffluentibus?) inclusa?

Sphæropsideæ.

18. **Hendersonia ichthyospora** Sacc. Peritheciis gregariis epidermide velatis dein erumpentibus, globuloso-applanatis, 1/3–1/4 mill. diam., breviter papillatis, contextu distincte celluloso fuligineo, solidiusculo; stylosporis oblongis, 15–18 × 3 1/2, 3-septatis, non constrictis e hyalino dilute olivaceis in stipitem sensim attenuatis ideoque subpisciformibus, stipite filiformi 30–35 lgo, basi 3/4 micr. crasso, hyalino,

Hab. in caulibus ramisque Umbelliferarum ad *Börnicke* prope *Bernau* in Marchia *Brandenburg,* 1872 (P. Magnus).

Obs. Stylosporis fere pisciformibus a ceteris speciebus mihi notis facillime dignoscenda.

19. **Hendersonia arenaria** Sacc. Peritheciis gregariis subcutaneis dein erumpentibus, globoso-lenticularibus, 1/4–1/5 mill. diam., minutissime papillatis, quandoque subhysteriiformibus, atris, contextu minute sed distincte celluloso, ochraceo-fuligineo; stylosporis cylindraceis rectis curvulisve utrinque obtusiusculis, 30–35 × 3 1/2–4, plasmate 4-partito, 3-septatisque, hyalinis.

Hab. in culmis Elymi arenarii ad *Skaereninsel* östlich von *Dalaroe* prope *Stokholm,* Julio 1871 (P. Magnus).

Obs. Ad genus *Septoriam* paululum quoque vergit.

20. **Hendersonia riparia** Sacc. Peritheciis gregariis, tectis, globoso-lenticularibus, punctiformibus, 80–100 micr. diam. pertusis; contextu celluloso laxiusculo, ochraceo-

fuligineo; stylosporis cylindraceis, 40–45 × 3 ½–4, curvulis, utrinque obtuse leniter attenuatis, 6–7-septatis, sæpius 7–8-guttulatis, flavidis, basidiis fasciculatis filiformibus, sursum attenuatis, 20–30 × 2–3, hyalinis, fultis.

Hab. in foliis, præcipue ad paginam infer. Caricis pariæ ad *Finkenkrug* prope *Spandau* in Marchia *Brandenburg,* Junio 1872 (P. (Magnus).

Obs. Peraffinis videtur *Darlucæ* (*Hend.*) *macropodi* Bk., Cooke Hndb. p. 437, a qua stylosporis distincte 6–7-septatis (nec tantum 3–6-guttulatis) differt.

21. **Phoma difformis** Sacc. Peritheciis gregariis erumpenti-superficialibus, epixylis, e globoso conoideis difformibusque, ¼–⅓ mill. diam., varie breve papillatis, aterrimis, subcarbonaceis; spermatiis ellipsoideis, 2 ½ 3 × 2, hyalinis in basidiis fasciculatis crassiuscule filiformibus acrogenis.

Hab. in ligno putri (Tiliæ?) Berolini, Febr. 1872 et Martio 1877 (P. Magnus).

22. **Phoma labens** Sacc. Peritheciis gregariis superficialibus, ¼ mill. diam., globosis vix papillatis, membranaceo-molliusculis, dein collabescendo excavatis, fuligineo-atris; spermatiis cylindraceis 4 × 1, lenissime curvulis, hyalinis, basidiis filiformibus, fasciculatis spermatio duplo longioribus ex strato proligero celluloso fuligineo oriundis fultis.

Hab. in libro trunci Robiniæ Pseudacaciæ Berolini, 1877. (P. Magnus),

23. **Phoma Visci** Sacc. Peritheciis in maculis foliorum arescendo flavicantibus aggregatis epidermide velatis dein erumpentibus, subglobosis papillulatis, atris, diam. ¼–⅕ mill., solidiusculis; spermatiis oblongo-ovatis, rectis, 5 × 2 ½, 2-guttulatis, hyalinis.

Hab. in foliis Visci albi ad *Prater* Vindobonæ, Majo 1875 (P. Magnus).

Obs. A Phyllostictis peritheciis pachydermaticis recedit.

24. **Phoma? cassubica** Sacc. Peritheciis gregariis epidermide velatis, dein semi-erumpentibus, astomis, lon-

gitudinaliter oblongis, subcarbonaceis, aterrimis; spermatiis cylindraceis, 18–20 × 2, utrinque obtusiusculis, curvulis rectisve, 1–septatis, non constrictis, hyalinis, basidiis dense fasciculatis, 50–60 × 3, filiformibus, guttulatis, hyalinis.

Hab. in caule Viciæ cassubicæ ad *Driesen* in Marchia *Brandenburg* (P. Magnus).

Obs. Peritheciorum forma spermatiisque 1–septatis a genere desciscit.

25. **Phoma pinea** Sacc. Peritheciis dense gregariis superficialibus epixylis, globulosis vix papillatis, 80–150 micr. diam., aterrimis; spermatiis cylindraceis utrinque acutatis, curvulis, 5 × 1, hyalinis.

Hab. in libro Pini sylvestris putri, Berolini, 1876 (P. Magnus).

26. **Phoma pithya** Sacc. Peritheciis sparsis subcutaneis, dein semierumpentibus, globulosis, vix papillatis, $^1/_3$ mill. diam., contextu celluloso solidiusculo fuligineo; spermatiis fusoideis plerumque rectis, 9–11 × $2^1/_2$–$3^1/_2$, initio 2–guttulatis, hyalinis.

Hab. in ramulis corticatis Pini sylvestris in horto botanico Berolinensi, Febr. 1870 et 1877. (P. Magnus).

Obs. Verisimiliter status spermogonicus *Diaporthis* (Tetrast.) *pithyæ* Sacc.

27. **Phoma Patonieana** Sacc. Peritheciis gregariis v. hinc inde in cæspitulos parvos aggregatis, erumpentibus, globulosis vix papillatis, aterrimis, contextu celluloso fuligineo; spermatiis ovato-ellipsoideis, 8–10 × 4, hyalinis e strato proligero immediate oriundis.

Hab. in ramulis corticatis (Drupaceæ?) in *Thiergarten* Berolini, Jan. 1876 (H. Patoniè in herb. P. Magnus).

28. **Phoma salsa** Sacc. Peritheciis gregariis punctiformibus epidermide velatis erumpentibusque, globoso–depressis, 100 micr. diam., pertusis, contextu distincte celluloso ochraceo–fuligineo; spermatiis cylindraceis lenissime curvis, 4 × 1, utrinque rotundatis, 1–guttulatis, hyalinis.

Hab. in ramis bracteisque Salsolæ Kali ad *Nordcanal* prope Berolinum, Jan. 1872 (P. Magnus).

29. **Phoma graminella** Sacc. Peritheciis gregariis subcutaneis globoso-depressis $^1/_6$–$^1/_5$ mill. diam., atris, ostiolo obtusiusculo brevi perforante, contextu perithecii distincte laxiuscule celluloso, fuligineo; spermatiis ovato–fusoideis, utrinque acutiusculis, rectis, 15–18 × 4, hyalinis.

Hab. in foliis Calamagrostidis ad *Helgoland* 1865. (P. Magnus).

Obs. Pari fere jure ad gen. *Sphæropsidem;* sed meo sensu hujus generis genuinæ species a gen. *Phoma* nulla nota essentiali differunt, nam ceteræ *Diplodiam* aut *Coniothyrium* spectant. Præsens species a *Ph. biocellata* Mtgn., *Ph. Graminis* West. et *Sphæropside arundinacea* Bk. certe distinguenda.

30. **Ascochyta graminicola** Sacc. Maculis expallentibus v. obsoletis, peritheciis gregariis punctiformibus lenticularibus 100 micr. diam. pertusis, contextu distincte parenchymatico fuligineo; spermatiis ovato – fusoideis 10–12 × 4, rectis, 1–septatis, 2–nucleatis, hyalinis.

Hab. in foliis Arrenatheri avenacei Berolini, Junio 1872. (P. Magnus).

31. **Septoria Phyteumatum** Sacc. Maculis indeterminatis expallentibus; peritheciis dense gregariis, initio epidermide velatis e globoso lenticularibus, 80–100 micr. diam., poro pertusis, contextu parenchymatico solidiusculo fuligineo; spermatiis filiformibus rectis curvulisve, 40–45 × 1, vix guttulatis, continuis, hyalinis.

Hab. in foliis Phyteumatum prope Vindobonam (Marenzeller in herb. P. Magnus).

Obs. Ab hac *Septoriam Phyteumatis* Siegm. in F. E. n. 1350, alienam censeo.

32. **Septoria argyræa** Sacc. Maculis arescendo ochraceis variis sæpe fusco – cinctis; peritheciis punctiformibus lenticularibus gregariis, $^1/_{10}$–$^1/_{12}$ mill. diam., pertusis; spermatiis cylindraceis, rectiusculis v. tortuosis, 20–30 × $2^1/_2$ –3, utrinque obtusiusculis, hyalinis, dein in cirrhos breves carneolos protrusis.

Hab. in pagina superiore foliorum Elæagni argenteæ in Horto botanico *di S. Giobbe* Venetiis, Oct. 1875 (P. Magnus).

Obs. A *Septoria Elæagni* Dmz. differt spermatii septatis aliisque notis.

33. **Septoria? pleosporoides** Sacc. Maculis nullis; peritheciis sparsis cladogenis, epidermide velatis, globoso-depressis, $^1/_2$ mill. diam., ostiolo papillato brevi; perithecii contextu celluloso fuligineo; spermatiis filiformibus, rectis curvulisve, 40–50 × 1–1$^1/_2$, continuis, obsolete guttulatis, hyalinis.

Hab. in caulibus herbarum majorum prope Berolinum et in caule Gei urbani in *Thiergarten* Berolini, Apr. 1874 (P. Magnus); in caule Rumicum Romæ (Bagnis).

Obs. Perithecia habitu et magnitudine *Pleosporæ herbarum;* species ergo a genere deflectens.

34. **Septoria Oreoselini.** (Lasch) Niessl herb. — ? *Ascochyta Oreoselini* Lasch. in Kl. Herb. myc. N. 856 (non vidi).

Hab. in foliis Peucedani Oreoselini ad *Rastatt*, 1871 (P. Magnus).

Obs. Maculæ subcirculares expallentes, rufo-marginatæ; perithecia punctiformia, lenticularia, pertusa, $^1/_{15}$ mill. diam.; spermatia filiformia curvula, 25–26 × 1$^1/_2$, continua, hyalina.

Melanconieæ.

35. **Myxosporium? aberrans** Sacc. Nucleis gregariis, subcutaneis dein erumpentibus, varie sinuosis sordide roseis; spermatiis e strato prolifero ochraceo fasciculatim oriundis, stipitatis, ovato-fusoideis, rectis curvulisve 1-septatis, sæpius constrictis, 15–16 × 3–4, e hyalino dilutissime roseis, basidiis cylindraceo-conoideis paulo longioribus.

Hab. in cortice (Aesculi?) in horto botanico Berolinensi, Martio 1877 (P. Magnus).

Obs. Affinis *Næmasporæ persicinæ* Fres. Beitr. tab. III. fig. 53–55, sed satis diversum. Illa et hoc cum nullo Næmasporearum genere ob spermatia 1-septata congruunt, sed novum condere tædet.

36. **Glœosporium Lindemuthianum** Sacc. & Magnus. Maculis epicarpicis, subrotundis, arescendo infuscatis, initio rufo-cinctis; acervulis sordide albis in media macula epidermidem pustulatim inflantibus dein erumpentibus; sporophoris fasciculatis, cylindraceis, 45–55 lg., simplicibus; conidiis acrogenis, oblongis rectis curvulisve utrinque subrotundatis, 16–19 × $4\frac{1}{2}$–$5\frac{1}{2}$, intus granulosis, hyalinis.

Hab. in leguminibus adhuc vivis Phaseoli vulgaris in *Obst- und Gemüse-Garten des landwirthschaft. Instituts Poppelsdorf bei Bonn*, Aug. 1875 (Lindemuth in herb. P. Magnus); Patavii, Julio 1875 (Saccardo).

Obs. An *Septoria Leguminum* Dmz. (non ejus var. β.) X.me Not. p. 10 (1843) sistat hujus Glœosporii statum juvenilem dijudicare nequeo; certe descriptio l. c. longe abhorret. Multo propius accedit *Glœosporium fructigenum* Bk.

37. **Glœosporium affine** Sacc. Myc. Ven. n. 972. Maculis arescendo dealbatis variis; acervulis sparsis, sæpe epiphyllis, initio epidermide nigricante velatis, dein cirrhose erumpentibus; conidiis cylindraceo – oblongis, utrinque rotundatis, 14–20 × 4–6, nubilosis, hyalinis; basidiis filiformibus brevibus fultis.

Hab. in foliis coriaceis Hoyæ, Vanillæ etc. in horto botanico Patavino, Martio 1876 (Saccardo); et in foliis Orchidearum in calidario horti botanici Dresdensis, Sept. 1873 (P. Magnus).

38. **Glœosporium Thomasianum** Sacc. Maculis parvis subcircularibus, amphigenis, rufis; acervulis in media macula erumpentibus, albidis; conidiis ex ovato oblongis utrinque rotundatis, constricto-didymis, 25–30 × 12–15, quandoque loculo uno laterali accedente, rarius conidiis duobus confluentibus, 2–4-guttulatis, hyalinis, basidiis crassis oblongis, conidium subæquantibus, fultis.

Hab. in pagina superiore et inferiore foliorum languidorum Evonymi latifolii ad *Soolenleitung am Fürstenstein bei Berchtesgaden* in *Salzkammergut* (bei Reichenhall) in Bavaria (Doct. Fr. Thomas in herb. P. Magnus).

Obs. Affine *Glœosporio chartusiano* Sacc. M. V. n. 970 et F. it. tab. 86, sed rite distinctum.

39. **Glœosporium alpinum** Sacc. Maculis nullis; acervulis hypophyllis, epidermide tumidula velatis, variis, sordide albis; conidiis oblongo-cylindraceis, utrinque obtusiusculis, 14–15 × 3–4, curvulis, quandoque versus medium tenuiter constrictis, sæpius 2–nucleatis, hyalinis, basidiis brevibus oblongis fultis.

Hab. in pagina inferiore foliorum viventium Arctostaphyli alpini prope *Innichen* in *Pusterthal* Tyroliæ (Doct. Fr. Thomas in herb. Magnus).

40. **Glœosporium tubercularioides** Sacc. Maculis nullis; acervulis minutissimis, gregariis, epidermide velatis, dein erumpentibus, carneolis; strato proligero crassiusculo e cellulis subrotundo-angulosis, crasse 1–2–nucleatis, dilute ochraceis conflato; basidiis cylindraceis simplicibus v. breve verticillato-ramulosis, apice incrassatis vel rarius attenuatis remote septatis hyalinis; conidiis in apice basidiorum v. ramulorum acrogenis ovato-oblongis, 12–15 × 5–8, continuis, rectis curvulisve hyalinis. — Conidia solitaria in ramulis, subcapitata in apice basidiorum.

Hab. in pagina inferiore foliorum languentium Ribis aurei Berolini (P. Magnus).

Hyphomyceteæ.

41. **Septocylindrium Magnusianum** Sacc. Cæspitulis erumpenti-superficialibus sordide albis in partibus foliorum rubentibus leniterque corrugatis amphigenis, subvelutinis; conidiis ex articulo basilari leniter inflato orientibus, catenulatim digestis, cylindraceis, 20–25 × 4, utrinque obtusiusculis, medio 1–septatis, non constrictis, hyalinis.

Hab. in foliis nondum emortuis Trientalis europeæ ad *Swinemünde an der Ostsee,* Apr. 1877 (P. Magnus).

42. **Ramularia sphæroidea** Sacc. Cæspitulis erumpenti-superficialibus applanatis, albis, velutinis, hypophyllis; hyphis fasciculatis filiformibus, 40–50 × 3, tortuosis,

sursum remote denticulatis, hyalinis; conidiis ex denticulis oriundis, globulosis 8–9 micr. diam., rarius 8 × 7, basi brevissime obsolete apiculatis, hyalinis.

Hab. in pagina inferiore foliorum languentium Loti corniculati ad *Spandau* prope Berolinum, Jul. 1869 et Aug. 1875 (P. Magnus).

Obs. Proxima *Ramulariæ pulchellæ* Ces. et *R. pusillæ* Ung. sed satis ab utraque diversa.

43. **Torula** (Antennariæ) **Lechleriana** Sacc. Cæspitulis applanatis membranaceis, fuligineo-atris, quandoque totam foliorum paginam occupantibus, denique (ut Capnodia) secedentibus; hyphis filiformibus repentibus remote septatis, circ. 8 cr. tortuosis, ramulosis; conidiis in catenulas cylindraceas sursum acutatas, parce ramosas digestis, rotundato-cuboideis utrinque planis, diam. 15–20 micr. nitide fuligineis.

Hab. in foliis vivis Myrciæ Lechlerianæ Miq. in Valdivia (Chili) Oct. 1851 (Lechler in herb. P. Magnus).

Obs. In cæspitulorum basi adest mucilago quædam, in qua natant catenulæ ramosæ e conidiis globosis, 1–nucleatis, 6–8 micr. diam., subhyalinis, per sterigmata cylindracea brevia connexis conflatæ. An alga? Formam persimilem in *Antennaria pithyophila* nostrate observare contigit.

44. **Fumago** (Capnodii?) **fungicola** Sacc. Cæspitulis applanatis, maculiformibus, indeterminatis velutinis ex olivaceo fuligineis; hyphis in ganglia varie dense connexis; articulis globuloso-cuboideis, 15–20 micr. diam., 1–4-cellularibus, olivaceo-fuligineis; conidiis oblongo-cylindraceis utrinque rotundatis, 15–25 × 5–8, medium versus subconstrictis, plasmate bipartito, hyalinis.

Hab. in superficie Polypori sulphurei exsiccati in Marchia *Brandenburg* (P. Magnus).

Obs. Verisimiliter status conidiophorus *Capnodii* cujusdam.

45. **Sporidesmium glomerulosum** Sacc. Cæspitulis sæpe in stratum latiuscule extensum congregatis, atro-fuligineis, subvelutinis; hyphis repentibus filiformibus

$1\frac{1}{2}$ micr. cr., tortuosis, dilute fuligineis, hinc inde sporophora brevissima concoloria emittentibus; conidiis in apice sporophororum insertis, oblongo-cylindraceis, curvulis, 35–45 × 8–10, utrinque præcipue apice rotundatis, 6–7-septatis, vix constrictis, 7–8-guttulatis fuligineis.

Hab. in excavatione paginæ inferioris foliorum Juniperi communis in *Forstgarten in Eberswalde* in Marchia Brandenburgensi (P. Magnus).

46. **Helminthosporium hormiscioides** (Cda) Sacc. Fungi ital. t. 55 et Michelia I. 85. – *H. **Magnusianum**. A typo recedit præcipue conidiis apice vix incrassatis. Sporophora cylindraceo-conica, 15–25 × 6; conidia 250–300 × 12–15 (in basi), 35–45-septata, fuliginea, apice pallidiora.

Hab. in ramis putrescentibus in horto botanico Patavino, Aut. 1873 (P. Magnus).

47. **Stemphylium? Magnusianum** Sacc. Cæspitulis applanatis maculiformibus, indeterminatis, compactiusculis, fusco-rufescentibus; hyphis filiformibus vage ramosis, continuis, lutescentibus; conidiis subglobosis, 20–30 micr. diam. e cellulis pluribus reticulato-contextis, amœne rufescentibus.

Hab. in superficie corticis ramorum Alni viridis in *Sondes-Thal bei Geschnitz* in Tyrolia (P. Magnus).

Obs. A ceteris generis speciebus vegetatione, habitu et hyphis paululum desciscit, sed cum quo alio genere jungerem, nescio.

48. **Isaria filamentosa** Sacc. Albida sparsa v. subgregaria; filamentis sæpius fasciculatim oriundis, anguste bacillaribus, rectis curvatisve 1–$1\frac{1}{2}$ mill. altis, ex hyphis filiformibus hyalinis hinc inde breviter squarruloso-exeuntibus conflatis, sursumque ubique basidia conidiophora cylindraceo-conica, 10-11 × $3\frac{1}{2}$, hyalina exerentibus; conidiis oblongo-ovoideis, 5–8 × $2\frac{1}{2}$–$3\frac{1}{2}$ hyalinis nubilosis.

Hab. in caulibus putridis Solani spec. exot. in Horto botanico Berolinensi, vere 1871 (P. Magnus).

Obs. Affinis *Isariæ filiformi* Wallr. et *I. brachiatæ* Schum., a quibus habitatione, quadam flexibilitate filamentorum, basidiorum forma &c. satis recedere videtur.

FUNGI VENETI

NOVI VEL CRITICI

VEL MYCOLOGIÆ VENETÆ ADDENDI

AUCTORE

P. A. SACCARDO

SERIES VII.

Sphæropsideæ Lév. reform. *) (*Sphæronemei* Bk.)

Phyllosticta Pers. p. p. Desm. Perithecia in partibus plerumque decoloratis foliorum v. ramulorum innata, membranacea, poro centrali pertusa, spermatiis ovoideis v. oblongis continuis hyalinis v. chlorinis fœta.

† Species hyalosporæ.

* Species maculas in foliis albas v. griseas efficientes.

A. Species arboricolæ.

1. **Phyllosticta Berberidis** Rabh. in Herb. myc. n. 1865. Maculis sinuosis arescendo griseis dein dealbatis; perithecis epiphyllis, punctiformibus lenticularibus; spermatiis ovoideis, 4–5 × 3, hyalinis.

Hab. in foliis Berberidis vulgaris *a Narvesa*, 1873 Augusto.

Obs. Species homonyma Westendorpii – Kx Flandr.

*) In hac familia colligo omnia fungorum genera s. d. imperfecta sive inferiora perithecio instructa, ascis carentia, sporasque intra perithecium basidiis plus v. minus manifestis suffultas gerentia. Divisio hæc sistit seriem fungorum pyrenomycetibus ascigeris perfecte parallelam, quibus immo metagenetice conjungitur. Comprehendit *Sphæropsideos, Phyllostictcos* et *Cytisporaccos* Fr. Summa (excl. gen.), *Sphæropsideos* et *Sphæronemcos* Kx Fl. Fland., respondetque fere perfecte *Sphæronemeis* Berk. Outl., sed hoc nomen pluribus rationibus prætereundum censeo (Cfr. etymol. et locum in system. Fricsii, Summa II. 400).

1. 119 – aliena videtur nam ejusdem spermatia majora sunt, nempe 10 × 5 atque 2–3–guttulata.

2. **Phyllosticta Ligustri** Sacc. Mycoth. Ven. n. 980. Maculis arescendo expallentibus, variis fusco-cinctis; peritheciis epiphyllis, lenticularibus, pertusis, 60 diam.; spermatiis ovoideis, 6–7 × $2^1/_2$–3, 2-guttatis, hyalinis, initio basidiis æquilongis suffultis.

Hab. in foliis Ligustri vulgaris *a Selva*, Sept. 1876, *a Susigana*, Dec. 1876 (Spegazzini).

Obs. Depazea Ligustri Dmz est = *Septoria Ligustri* Dmz.. ergo non Phyllosticta mea. Utraque verisimiliter sistit spermogonia *Sphærellæ Ligustri* (Dmz.) Fckl.

3. **Phyllosticta pyrina** Sacc. Maculis arescendo candicantibus, variis; peritheciis plerumque epiphyllis, punctiformibus, lenticularibus, pertusis, 100–130 diam., contextu laxe celluloso ferrugineo; spermatiis ovoideis v. ellipsoideis, 4–5 × 2–$2^1/_2$, hyalinis.

Hab. in foliis Pyri communis socia *Sphærella Bellona* Sacc. sp. nova, nec non in foliis Pyri Mali *a Selva,* Autumno 1873-76.

Obs. Secundum Kx. Flandr. I. 432 *Depazea pyrina* Riess est = *Septoria Pyri* West. seu *S. pyricola* Desm.

4. **Phyllosticta æsculicola** Sacc. Maculis vagis irregularibus arescendo candidis, fusco-cinctis, epiphyllis v. petiolicolis; peritheciis punctiformibus sparsis; spermatiis tenuissimis oblongis v. breve fusoideis, 4 × $^3/_4$, hyalinis.

Hab. in foliis petiolisque Æsculi Hippocastani *a Selva*, Aut. 1873, et *a Susigana*, Dec. 1876 (Spegazzini).

Obs. Depazea æsculicola Fr. sec. auct. est *Septoria*. Quid sit *Ascochyta Hippocastani* Lib. exs. n. 151, ignoro. *Phyllosticta Paviæ* Dmz. omnino aliena est.

5. **Phyllosticta destruens** Dmz. f. **Celtidis australis**. Maculis arescendo albicantibus; peritheciis punctiformibus, hemisphæricis, epiphyllis; spermatiis ex oblongo ovoideis, 5 × $1^3/_4$–2, hyalinis.

Hab. in foliis Celtidis australis *a Selva,* Aut. 1873.

6. **Phyllosticta tinea** Sacc. Maculis subcircularibus v. irregularibus arescendo dealbatis; peritheciis punctiformibus applanatis, $^1/_6$ mill. diam., pertusis; spermatiis minutissimis ex ovato oblongis 4–5 × 1, hyalinis.

Hab. in pag. sup. foliorum Viburni Tini *a Selva*, Sept. 1873.

7. **Phyllosticta Juglandis** (DC.) Sacc. Mycoth. Ven. n. 981. Maculis vagis arescendo dealbatis fusco-cinctis; peritheciis epiphyllis sparsis punctiformibus, lenticularibus, 80 diam., pertusis; spermatiis ovoideo-oblongis, 6–7 × 3–4, minute 2-guttulatis, hyalinis.

Hab. in pag. sup. foliorum Juglandis regiæ languidorum *a Selva,* Sept. 1876.

8. **Phyllosticta Lauri** West., Kx Flandr. I. 417. Maculis sinuosis arescendo dealbatis, fusco-cinctis; peritheciis punctiformibus, lenticularibus; spermatiis oblongo-ovoideis, 10 × 3, utrinque 1-guttulatis, hyalinis.

Hab. in pag. sup. foliorum Lauri nobilis *a Selva*, Aug. 1874.

9. **Phyllosticta Vitis** (Fckl.?) Maculis vagis, sinuosis arescendo dealbatis, fusco-marginatis; peritheciis remotis, punctiformibus, lenticularibus, 70 diam., pertusis, contextu laxiuscule parenchymatico fuligineo; spermatiis oblongo-ovoideis, 6 × 3, 2-guttulatis hyalinis.

Hab. in pag. sup. foliorum Vitis viniferæ *a Casale Monferrato*, Aut. 1876. (F. Negri); *a Selva*, Aut. 1874-76.

Ob. Phyll. Vitis Fckl. et *Phyll. Vitum* Dmz. in Hoffm. Ind. mycol. p. 96 citatæ, mihi ignotæ sunt.

10. **Phyllosticta populea** Sacc. Maculis irregularibus, sinuosis, arescendo candicantibus, fusco-marginatis; peritheciis remotis, punctiformibus, lenticularibus, prominulis, pertusis; spermatiis breve cylindraceis. $3^1/_2$ × $^1/_2$, quandoque medio subconstrictis sed continuis, utrinque rotundatis et minute 1-guttulatis, hyalinis.

Hab. in pag. super. foliorum Populi albæ *a Covolo* (Treviso), Aug. 1874.

11. **Phyllosticta Alcides** Sacc. Maculis sinuosis, arescendo albidis, fusco-cinctis; peritheciis sparsis puncti-

formibus; spermatiis ovoideis utrinque obtuse subattenuatis, 1-guttulatisque, 5 × 3, hyalinis.

Hab. in pag. super. foliorum Populi albæ *a Covolo*, Aug. 1874.

12. **Phyllosticta Grossulariæ** Sacc. Maculis subcircularibus sinuosisve, arescendo griseis albicantibusve, fusco-marginatis; peritheciis punctiformibus sparsis; spermatiis ovoideis v. ellipsoideis, 5–6 × 3, hyalinis.

Hab. in pag. super. foliorum Ribis Grossulariæ *a Selva*, Sept. 1874.

Obs. Huc *Depazea ribicola* Sacc. Mycol. Ven. p. 192 et forte Fuckelii, non Friesii qui in S. M. II. 530 matricem et characteres alienos affert.

13. **Phyllosticta Pseudoplatani** Sacc. Maculis sinuosis arescendo dealbatis, brunneo-cinctis; peritheciis lenticularibus, 60 micr. diam., laxiuscule ferrugineo-parenchymaticis, pertusis; spermatiis oblongis v. breve cylindraceis, 5–6 × 3, eguttulatis, hyalinis.

Hab. in pag. sup. foliorum Aceris Pseudoplatani *a Selva*, Sept. 1874.

14. **Phyllosticta syriaca** Sacc. Maculis sinuosis variis arescendo dealbatis late fusco-cinctis; peritheciis remotiusculis, punctiformibus, lenticularibus, 50 micr. diam., pertusis; spermatiis ovoideis v. subellipsoideis, 7 × 3–4, hyalinis.

Hab. in foliis Hibisci syriaci *a Vittorio*, Oct. 1874.

Obs. A *Phoma maculari* Dmz. prorsus diversa.

15. **Phyllosticta ilicina** Sacc. Mycoth. Ven. 512. Fungi Ven. Ser. V. 203. Maculis vagis pallidis, exaridis obsolete marginatis; peritheciis lenticularibus, prominulis, 60–70 micr. diam., pertusis, remotis; spermatiis ovoideo-oblongis, 8–10 × $3^1/_2$–4, 2-guttalatis, hyalinis.

Hab. in foliis Quercus Ilicis Patavii, Aut. 1875.

16. **Phyllosticta concentrica** Sacc. Mycoth. Ven. n. 352. Fungi Veneti Ser. V. 203. Maculis latis subcircularibus, arescendo expallentibus; peritheciis plerumque concentrice dispositis, lenticularibus 90–100 micr. diam., atris, poro

amplo hiantibus, membranaceis; spermatiis globosis v. ovoideis, 10 × 8–9, minute pluriguttulatis, hyalinis.

Hab. in foliis Hederæ Helicis *a Padova*, Iulio 1875.

17. **Phyllosticta hedericola** DR. et M., M. Syll. 279, Mycoth. Ven. n. 351. – *Ph. destructiva* f. *Hederæ* Oudem. – Maculis epiphyllis subcircularibus arescendo dealbatis, latiuscule fusco-marginatis; peritheciis punctiformibus, prominulis, pertusis; spermatiis oblongis, 6 × $2^1/_2$, 2–guttulatis, hyalinis.

Hab. in foliis Hederæ Helicis *a Padova*, Majo 1875.

18. **Phyllosticta Caprifolii** (Opiz) Sacc. – *Depazea Caprifolii* Opiz (?), Sacc. Mycol. Ven. p. 193 – *Ph. vulgaris* Dmz. f. *Caprifolii* Sacc. Fungi Ven. Ser. VI p. 35 – Maculis amphigenis subrotundis arescendo griseis, fusco-cinctis; peritheciis remotis, punctiformibus; spermatiis oblongis, 6–7 × $2^1/_2$, 2–guttulatis, hyalinis.

Hab. in pag. super. fol. Loniceræ Caprifolii *a Colfosco* et in s. *Montello*, Sept. 1876-77, socia *Sphærella Clymenia* Sacc., cujus est spermogonium.

Obs. Phyllosticta vulgaris Dmz. spermatiis majoribus, nempe 10–14 × $2^1/_2$–$3^1/_1$ recedit.

19. **Phyllosticta buxina** Sacc. Maculis vagis arescendo expallentibus; peritheciis sparsis, punctiformibus; spermatiis oblongo-ellipsoideis minutissimis, 4 × $1^1/_2$, utrinque 1–guttulatis, hyalinis.

Hab. in foliis Buxi sempervirentis *a Selva*, Aug. 1874.

20. **Phyllosticta cytisella** Sacc. Maculis epiphyllis, angulosis, arescendo dealbatis, fusco-cinctis; peritheciis punctiformibus, sparsis, pertusis; spermatiis ex oblongo ovoideis, 5 × 3, eguttulatis, hyalinis.

Hab. in foliis Cytisi nigricantis in s. *Montello*, Sept. 1873.

Obs. Habitu, forma et colore maculæ a *Ph. Cytisi* Dmz. differt.

21. **Phyllosticta Bignoniæ** West., Thüm. F. A. n. 1075. Maculis versiformibus, arescendo albido-griseis; perithe-

ciis punctiformibus, lenticularibus 70–90 micr. diam.; spermatiis oblongo-ovoideis, 5–7 × $2^1/_2$–$3^1/_2$, 2-guttulatis hyalinis.

Hab. in foliis Catalpæ syringifoliæ *a Conegliano*, Oct. 1876 (Spegazzini).

22. **Phyllosticta Quercus** Sacc. & Sp. Maculis variis, subrotundisve, arescendo albicantibus; peritheciis punctiformibus, lenticularibus, diam. 200 micr. diam., latiuscule pertusis, olivaceo-fuligineis; spermatiis ellipsoideis, rectis curvulisve, 7-9 × $2^1/_2$–4, obsolete 1–2-guttulatis, hyalinis.

Hab. in foliis languidis quercinis *a Susigana*, Oct. 1876 (Spegazzini).

23. **Phyllosticta Nerii** West., Kx Flandr. I. p. 418.

Hab. in foliis Nerii Oleandri *a Conegliano*, Nov. 1876 (Spegazzini)

Obs. Spermatia ovoideo-oblonga, 15–18 × 5–6, nubilosa v. 1-guttulata, hyalina.

24. **Phyllosticta Coryli** Sacc. & Speg. Maculis variis sordide albicantibus; peritheciis lenticularibus, 100–150 micr. diam., pertusis, contextu parenchymatico luteo-fuligineo; spermatiis ellipsoideis, 7–8 × 2–$3^1/_2$, utrinque rotundatis, 2-guttulatis, hyalinis.

Hab. in foliis Coryli Avellanæ *a Costa* (Vittorio) Nov. 1876 (Spegazzini).

25. **Phyllosticta evonymella** Sacc. Maculis minutis angulosis ex olivaceo expallentibus; peritheciis dense gregariis, punctiformibus, globulosis, latiuscule pertusis, prominulis, solidiusculis; spermatiis tenuissimis, cylindraceis, rectiusculis, utrinque rotundatis, 4 × $^1/_2$–$^3/_4$, hyalinis.

Hab. in foliis Evonymi europæi *a Vittorio*, Aut. 1873, socia *Ph. Evonymi* Sacc., a qua longe differt.

26. **Phyllosticta Jasmini** Sacc. Maculis subcircularibus, arescendo candidis, tenuiter ochraceo-marginatis; peritheciis punctiformibus, lenticularibus, sparsis; spermatiis oblongis, utrinque acutiusculis, 5 × 3, obsolete 2-guttulatis, hyalinis.

Hab. in foliis Jasmini officinalis *a Conegliano*, Nov. 1876 (Spegazzini).

27. **Phyllosticta Calycanthi** Sacc. & Sp. Maculis versiformibus, arescendo candicantibus; peritheciis amphigenis lenticularibus 150 micr. diam., latiuscule pertusis, contextu laxe celluloso subochraceo; spermatiis ellipsoideis, 7–9 × 5–6, hyalinis.

Hab. in foliis Calycanthi præcocis *a Conegliano*, Oct. 1877 (Spegazzini).

28. **Phyllosticta Weigeliæ** Sacc. & Sp. Maculis variis arescendo candidis; peritheciis sparsis lenticularibus, 150–200 micr. diam. pertusis, contextu minuto parenchymatico, atro; spermatiis oblongo-ellipsoideis inæqualibus, 2-guttulatis, 6–8 × 3, hyalinis.

Hab. in foliis Weigeliæ roseæ *a Conegliano*, Oct. 1877 (Spegazzini).

29. **Phyllosticta Capparidis** Sacc. & Sp. Maculis amphigenis variis arescendo dealbatis, margine elevato ochraceo cinctis; peritheciis sparsis lenticularibus 100 micr. diam., pertusis, minute parenchymaticis, fuligineis; spermatiis oblongo-ovoideis inæqualibus, 8–12 × 3–4½, hyalinis.

Hab. in foliis Capparidis rupestris *a Conegliano*, Oct. 1877. (Spegazzini).

30. **Phyllosticta Magnoliæ** Sacc. Maculis plerumque epiphyllis versiformibus, arescendo dealbatis, non marginatis; peritheciis punctiformibus, lenticularibus, raris; spermatiis oblongis, utrinque rotundatis, 4 × 1½–2, hyalinis.

Hab. in foliis Magnoliæ grandifloræ in Horto Patavino, Majo 1875.

B. Species herbicolæ.

31. **Phyllosticta potentillica** Sacc. Maculis subcircularibus, angulosisve arescendo dealbatis, anguste fusco-marginatis; peritheciis remotis, punctiformibus, pertusis; spermatiis cylindraceo-botuliformibus, 5 × ¾, curvulis, hyalinis.

Hab. in pag. sup. foliorum Potentillæ reptantis *a Selva*, Aug. 1873.

Obs. Ab *Ph. fragaricola* Dmz. & Rob. spermatiis curvulis et angustioribus differt.

32. **Phyllosticta fragaricola** Dmz et Rob. p. p. (ut videtur) Plant. crypt. III. n. 686. Maculis vagis arescendo dealbatis, sanguineo-marginatis; peritheciis punctiformibus, remote sparsis; spermatiis oblongo-ovoideis, 5 × 1½–2, rectis eguttulatis, hyalinis.

Hab. in pag. sup. foliorum Fragariæ chiloensis *a Selva*, Aug. 1874.

33. **Phyllosticta Plantaginis** Sacc. Maculis subcircularibus, arescendo dealbatis; peritheciis sparsis punctiformibus e globoso lenticularibus, diam. 60–80 micr., pertusis; spermatiis oblongo-ovoideis, ovoideisve, 5 × 2, hyalinis.

Hab. in foliis Plantaginis majoribus *a Selva*, Aug. 1873.

Obs. Huc *Ascochyta Plantaginis* Sacc. Mycol. Ven. pag. 194 sed homonyma species Cesatiana verisimiliter ad *Septoriam* spectat.

34. **Phyllosticta sorghina** Sacc. Maculis sinuosis variis expallentibus, zona sanguinea cinctis; peritheciis punctiformibus, sparsis, pertusis; spermatiis ellipsoideis utrinque rotundatis, 5 × 2, 2-guttulatis, hyalinis.

Hab. in foliis Sorghi vulgaris, socia *Ascochyta Sorghi* Sacc. et *Sphærella Cerere* Sacc., cujus est probabile spermogonium, *a Selva*, Aut. 1873.

Obs. Phyll. Sorghi Anzi in Rabh. F. E. n. 2162 sistit formam leptostromaceam v. phyllachoraceam, cujus sporas proprias non vidi.

35. **Phyllosticta Asclepiadearum** West. Bull. Brux. 1851 pag. 398. Maculis variis arescendo griseis albidisque fusco-cinctis; peritheciis punctiformibus, lenticularibus, diam. 100 micr.; spermatiis ellipsoideo-oblongis v. subcylindraceis, 4½–6 × 2½–3, hyalinis.

Hab. in foliis Cynanchi Vincetoxici *in Cadore*, aest. 1873 (Venzo) et in sylva *Montello*, aut. 1874 (Sacc.).

36. **Phyllosticta Ehrhartii** Sacc. Maculis arescendo deal-

batis, sinuosis, sanguineo-marginatis; peritheciis epiphyllis, punctiformibus, remote sparsis, lenticularibus; spermatiis oblongo-ovoideis, 4–5 × 3, hyalinis.

Hab. in foliis Scrophulariæ Ehrhartii *a Selva*, Aug. 1874.

37. **Phyllosticta scrophularinea** Sacc. Maculis minutis angulosis, arescendo candicantibus, late rufo-cinctis; peritheciis punctiformibus, lenticularibus, 90–100 micr. diam., sparsis; spermatiis oblongis, rectis curvulisve minutissimis, 3–4 × 1, utrinque rotundatis, hyalinis.

Hab. in pag. superiore foliorum Scrophulariæ nodosæ *a Selva*, Aug. 1875.

Obs. A *Phyll. Scrophulariæ* Sacc. et *Ph. Ehrhartii* Sacc. probe distincta.

38. **Phyllosticta Polygonorum** Sacc. Maculis subcircularibus arescendo dealbatis, amœne sanguineo-cinctis; peritheciis punctiformibus, remotiusculis; spermatiis e globoso ovoideis, 4 × 2–2½, hyalinis.

Hab. in foliis Polygoni Persicariæ *a Selva*, Aug. 1874.

39. **Phyllosticta Urticæ** Sacc. Maculis subcircularibus sinuosisque, arescendo dealbatis; peritheciis sparsis, punctiformibus, lenticularibus, 60 micr. diam., pertusis, contextu densiuscule parenchymatico; spermatiis oblongo-ovoideis, 5–6 × 3½, hyalinis.

Hab. in foliis Urticæ dioicæ *a Selva*, Sept. 1874.

40. **Phyllosticta Sonchi** Sacc. Maculis arescendo dealbatis non marginatis, variis; peritheciis paucis punctiformibus, lenticularibus, pertusis, 100 micr. diam.; spermatiis oblongo-ovoideis 7–7¼ × 3½, rectis curvulisve, 2–guttulatis, hyalinis.

Hab. in foliis Sonchi oleracei *a Conegliano*, Aut. 1876 (Spegazzini).

41. **Phyllosticta Calystegiæ** Sacc. Maculis subcircularibus arescendo cinerascentibus albisve, brunneo-marginatis; peritheciis sparsis, punctiformibus, lenticularibus, 80 micr. diam., pertusis, minute parenchymaticis; spermatiis oblongo-ovoideis, 4–5 × 2½–3, hyalinis.

Hab. in pag. sup. foliorum Calystegiæ sepium cum *Septoria Convolvuli, a Selva,* Sept. 1874.

42. **Phyllosticta Tami** Sacc. Maculis subcircularibus oblongisve arescendo expallentibus rufo-marginatis; peritheciis punctiformibus, lenticularibus, pertusis, laxe ochraceo-parenchymaticis; spermatiis oblongo-cylindraceis, 7–8 × 3–4, ad medium quandoque subconstrictis (sed continuis) utrinque rotundatis et 1–guttulatis, hyalinis.

Hab. in foliis Tami communis *a Conegliano,* Majo 1876 (Spegazzini).

43. **Phyllosticta cruenta** (Fr.) Kx Flandr. I. 412. Maculis subcircularibus, oblongisve, amœne sanguineis, dein centro pallentibus; peritheciis gregariis sparsisve epiphyllis, globoso-lenticularibus, astomis, contextu compacto crassiusculo; spermatiis (cellulis perithecii interioribus?) e globoso ellipsoideis, 10–15 × 7–8, pluri-guttulatis, hyalinis, basidiis cylindricis paulo brevioribus fultis.

Hab. in foliis Polygonati multiflori in toto agro Veneto, æstate.

Obs. Sec. cl. Oudemans (Cfr. optimam ejus opellam *Contribut. mycol.* I. 15 et 53), hic fungillus sistit statum immaturum, non vero spermogonicum Stigmateæ cujusdam; quod nondum probatum mihi videtur.

44. **Phyllosticta Oxalidis** Sacc. Maculis variis arescendo candicantibus, fuligineo-marginatis; peritheciis sparsis, paucis, punctiformibus, globoso-lenticularibus, pertusis, laxe cellulosis; spermatiis e globoso ovoideis, 4 × 3, hyalinis,

Hab. in foliis Oxalidis Acetosellæ *a Conegliano,* Iunio 1876 (Spegazzini).

Obs. Forte spermogonium *Sphærellæ Selenis* Sacc.

45. **Phyllosticta Lamii** Sacc. Maculis vagis latiusculis, arescendo dealbatis, zona plus v. minus lata ochracea cinctis; peritheciis remote sparsis, punctiformibus, pertusis, laxiuscule cellularibus, lutescentibus; spermatiis oblongis, utrinque obtusiusculis, 1–guttulatisque, 7 × 3, hyalinis, basidiis filiformibus acuminatis 5 × 2 suffultis.

Hab. in foliis Lamii Orvalæ et L. albi *a Selva,* Aug. 1873-74.

46. **Phyllosticta Violæ** Dmz. Not. XIV. p. 29 (1847) f. *Violæ tricoloris*. Maculis subcircularibus oblongisve, arescendo candidis, rufo-marginatis; peritheciis punctiformibus, lentiformibus, 100 diam., laxiuscule cellulosis, pertusis; spermatiis oblongis v. subcylindraceis, 6 × $2^1/_2$, sæpe curvulis, 2-guttulatis, hyalinis.

Hab. in foliis Violæ tricoloris *a Selva*, Sept. 1876.

47. **Phyllosticta Cirsii** Dmz. Kx. Flandr. I. 414. Maculis epiphyllis variis subcircularibus, arescendo cinerascentibus fusco-cinctis; spermatiis oblongo-ovoideis, 5–7 × $2^1/_2$–3, 2-guttulatis, hyalinis.

Hab. in pag. sup. foliorum Cirsii arvensis *a Selva*, Aug, 1877,

48. **Phyllosticta althæina** Sacc. Maculis sinuosis arescendo expallentibus, anguste fusco-marginatis; peritheciis sparsis punctiformibus, lenticularibus, 90 diam., pertusis laxiuscule ochraceo-cellulosis; spermatiis oblongo-ovoideis, 6–7 × 3–4, rarius curvulis, 2-guttulatis, hyalinis.

Hab. in foliis Althææ roseæ *a Selva*, Aug. 1876. Legi quoque in ejusdem caule, ubi maculas albidas similes efficit.

49. **Phyllosticta Arunci** Sacc. Fungi Ven. Ser. V. 300. Maculis arescendo dealbatis, amphigenis, circulari-angulosis, sæpius fusco-cinctis; peritheciis lenticularibus, punctiformibus, late pertusis ovoideo-oblongis, 5 × $^3/_4$, hyalinis.

Hab. in foliis Spireæ Arunci *a Selva*, socia *Sphærella Dejanira* Sacc., cujus est spermogonium, Sept. 1874.

50. **Phyllosticta helleborella** Sacc. Fungi Ven. Ser. V. 301. Maculis arescendo candidis, nitidis, variis, sæpe angulosis, atromarginatis, plerumque epiphyllis; peritheciis lenticularibus latiuscule hiantibus, punctiformibus; spermatiis oblongo-ovoideis, utrinque acutiusculis, 7 × 3, 2-guttulatis, hyalinis.

Hab. in foliis Hellebori viridis *a Covolo*, socia *Sphærella Hermione* Sacc. cujus est spermogonium.

51. **Phyllosticta Farfaræ** Sacc. Fungi Ven. Ser. II. 302. Maculis epiphyllis irregularibus, arescendo albicantibus, zona elevata atropurpurea cinctis; peritheciis punctiformibus, lenticularibus, 80 micr. diam.; spermatiis ellipsoideis v. ovoideis, 5–6 × 3, 2–guttulatis, hyalinis.

Hab. in foliis Tussilaginis Farfaræ *a Covolo*, Sept. 1874, socia *Sphærella Pieride* Sacc. cujus est spermogonium.

52. **Phyllosticta Marchantiæ** Sacc. Maculis vagis epiphyllis arescendo dealbatis, fusco-cinctis; peritheciis punctiformibus, atris, lenticularibus, 70–80 micr. diam., pertusis; spermatiis oblongo-cylindraceis, 5 × 1, curvulis rectisve, 2–guttulatis, hyalinis.

Hab. in fronde Marchantiæ *a Sernaglia* (Treviso) Aut. 1874 (Spegazzini).

53. **Phyllosticta Pharbitis** Sacc. Mycoth. Ven. n. 983. Maculis arescendo expallentibus fusco-cinctis, variis; peritheciis parcis, amphigenis, lentiformibus, 100 micr. diam. pertusis; spermatiis oblongis interdum curvulis, 6 × 2–3, 2–guttulatis, hyalinis.

Hab. in foliis Pharbitis hispidæ *a Selva*. Oct. 1876.

54. **Phyllosticta Humuli** Sacc. & Sp. Maculis variis arescendo dealbatis; peritheciis punctiformibus, lenticularibus, 80–90 micr. diam., anguste pertusis, tenuiter membranaceis flavo-fuliginis; spermatiis oblongis, 6–9 × 4–5, utrinque rotundatis, rectis curvulisve, 1–2–3–guttulatis, hyalinis.

Hab. in foliis languidis Humuli Lupuli *a Conegliano*, Nov. 1876 (Spegazzini).

55. **Phyllosticta Teucrii** Sacc. & Sp. Maculis variis arescendo albidogriseis; peritheciis gregariis, punctiformibus, lenticularibus, late pertusis, contextu distincte parenchymatico olivascente; spermatiis cylindraceis, minutissimis, 4–5 × 1–1$^3/_4$, quandoque curvulis, hyalinis.

Hab. in foliis Teucrii Chamædryos *a Conegliano*, Oct. 1876 (Spegazzini).

56. **Phyllosticta Alismatis** Sacc. & Sp. Maculis latis, arescendo albicantibus, fuligineo-cinctis; peritheciis gre-

gariis, sublenticularibus, nigricantibus; spermatiis oblongo-ellipsoideis, 8 × $3^1/_2$, utrinque rotundatis hyalinis.

Hab. in foliis Alismatis Plantaginis *a Conegliano*, Oct. 1876 (Spegazzini).

57. **Phyllosticta Laserpitii** Sacc. Maculis epiphyllis, minutis, griseo-albicantibus; peritheciis sparsis punctiformibus, 90–100 micr. diam., lenticularibus, pertusis; spermatiis ellipsoideo-oblongis, 4–5 × $2^1/_2$–$2^3/_4$, rectis, 2-guttulatis, hyalinis.

Hab. in foliis Laserpitii latifolii cum *Passalora depressa*, in montanis Tarvisinis (A. de Bérenger).

58. **Phyllosticta Cucurbitacearum** Sacc. Maculis epiphyllis v. amphigenis, variis, arescendo sordide albicantibus; peritheciis punctiformibus, 80–100 micr. diam., lenticularibus, pertusis; spermatiis oblongis, 5–6 × $2^1/_2$, utrinque obtusiusculis, curvulis, 2-guttulatis, hyalinis.

Hab. in foliis Cucurbitæ Peponis *a Vittorio*, Oct. 1875.

59. **Phyllosticta Filipendulæ** Sacc. Maculis epiphyllis, subcircularibus, arescendo dealbatis atrosanguineo-marginatis; peritheciis sparsis, punctiformibus, 80–90 micr. diam., lenticularibus pertusis, contextu minute parenchymatico; spermatiis cylindraceo-oblongis, 4 × 2, 2-nucleatis, hyalinis.

Hab. in foliis Spirææ Filipendulæ *a Conegliano*, Sept. 1876 (Spegazzini).

60. **Phyllosticta Portulacæ** Sacc. & Sp. Maculis subcircularibus, arescendo dealbatis, margine elevato fuscescente; peritheciis lenticularibus, punctiformibus, 50–60 micr. diam. pertusis; spermatiis ovoideis, 4–5 × 3, 2-guttulatis, hyalinis.

Hab. in foliis Portulacæ oleraceæ *a Selva*, Aug. 1877.

** Species maculas in foliis ochraceas, rufas v. brunneas efficientes.

A. Arboricolæ.

61. **Phyllosticta Cytisi** Dmz. Not. XIV (1847) p. 34. Maculis arescendo fuscidulis, subcircularibus, vix marginatis; peritheciis sparsis, punctiformibus; spermatiis ovoideo-oblongis, 6 × 3–4, sæpe curvulis, utrinque rotundatis 1–guttulatisque, hyalinis.

Hab. in foliis Cytisi Laburni *a Selva e Conegliano*, Aug. 1875.

62. **Phyllosticta Cathartici** Sacc. Maculis subcircularibus arescendo ochraceis, fusco-rufo-marginatis; peritheciis punctiformibus, lenticularibus pertusis; spermatiis ovato-fusoideis, 10 × 4, 2–guttulatis, hyalinis.

Hab. in pag. sup. foliorum Rhamni cathartici *a Selva*, Aug. 1873.

Obs. Ab hac *Phyllosticta Rhamni* West. differt spermatiis multo minoribus, nempe 5 × 3; *Phyllosticta rhamnicola* (Lasch) Dmz. spermatiis cylindraceis 7 lgs recedit. Huc e contra spectat *Depazea rhamnicola* Sacc. Mycol. Ven. 192 et probabiliter Fckl. Symb. 380 (in Rhamno cathart.) non Laschii, quæ diversam *Phyll. rhamnicolam* Dmz. sistit.

63. **Phyllosticta Robiniæ** Sacc. Maculis vagis irregularibus rufescentibus, margine subconcolori; peritheciis punctiformibus raris; spermatiis ovoideis, 4 × 3, granulosis, hyalinis.

Hab. In foliis Robiniæ Pseudacaciæ *a Selva*, Aut. 1873, raro et a *Conegliano*, Aut. 1876.

Obs. Huc *Ascochyta Robiniæ* Sacc. Myc. Ven. p. 195 non Lib. quæ ad *Septoriam Robiniæ* West. spectat.

64. **Phyllosticta Opuli** Sacc. Maculis angulato-sinuosis arescendo dilute ochraceis fusco-marginatis; peritheciis punctiformibus remote sparsis lenticularibus, 60 micr. diam., pertusis; spermatiis oblongis utrinque rotundatis, 1–guttulatisque, 7–7½ × 2½, hyalinis.

Hab. in foliis Viburni Opuli in sylva *Montello*, Aug. 1874.

65. **Phyllosticta Aceris** Sacc. Mycoth. Ven. n. 352. *Ascochyta Aceris* Sacc. Mycol. Ven. 194, non Libert, quæ sec. auctores est *Septoria Aceris* (Lib.) B. et Br. Maculis subcircularibus arescendo ochraceis, majusculis; peritheciis punctiformibus, lenticularibus, pertusis, atris; spermatiis ovoideis v. oblongo-ovoideis, 5 × $2^1/_2$–3, 2-guttulatis, hyalinis.

Hab. in foliis Aceris campestris *a Vittorio*, Oct. 1874.

Obs. Ascochyta Aceris Fckl. Symb. 387 est = *Cheilaria Aceris* Lib Exs. n. 255 = *Didymosporium Aceris* Dmz., mihi dubium. Cfr proxime ad Glœosporium.

66. **Phyllosticta Forsythiæ** Sacc. Mycoth. Ven. n. 979. Fung. ital. n. 87. Maculis subcircularibus, arescendo ochraceis, vix marginatis; peritheciis epiphyllis, sæpe concentrice dispositis, lenticularibus, pertusis, 150–180 micr. diam., initio velatis, fulvis; spermatiis ovoideis 5–7 × $2^1/_2$–3, 2-guttulatis, hyalinis.

Hab. in foliis *Forsythiæ suspensæ* in Horto botanico Patavino, Oct. 1876.

67. **Phyllosticta Syringæ** West. Not. II. 23. Kx. Flandr. I. 417. Sacc. Mycoth. Ven. n, 982. Maculis amplis arescendo ochraceis, irregularibus; peritheciis punctiformibus epiphyllis, lenticularibus, pertusis; spermatiis ovato-oblongis, 8 × 3, 2-guttulatis, hyalinis.

Hab. in foliis Syringæ vulgaris *a Selva*, Oct. 1876.

Obs. Cl. Oudemans hanc ut formam *Ph. destructivæ* Desm. considerat, sed hæc secundum Dmz. spermatia 1–2-septata, 10 × 5 gerit.

68. **Phyllosticta Persicæ** Sacc. Maculis subcircularibus arescendo dilute fuligineis, sanguineo-marginatis, quandoque concentrice subzonatis; peritheciis remotiusculis, punctiformibus lenticulari-conoideis, prominulis, 80–100 micr. diam., pertusis, laxiuscule cellulosis, lutescenti-fuligineis; spermatiis oblongis, interdum curvulis, 6–7 × $3^1/_2$–4, 2-guttulatis, hyalinis,

Hab. in pag. sup. foliorum Persicæ vulgaris *a Selva*, Sept. 1876.

69. **Phyllosticta Ailanthi** Sacc. Maculis latiusculis, irregularibus, arescendo pallide ochraceis rufo-cinctis; peritheciis remotiusculis, punctiformibus e globoso lenticularibus 50–60 micr. diam., pertusis, laxe cellulosis; spermatiis oblongo-ovoideis, 7–10 × 4, hyalinis.

Hab. in foliis Ailanthi glandulosæ *a Selva*, Sept. 1876.

70. **Phyllosticta cornicola** (DC.) Rabh. in Kl. Herb. myc. n. 454, *Depazea cornicola* DC. An huc *Phyll. Corni* West., Kx Flandr. I. 419?

Hab. in foliis Corni sanguineæ *a Conegliano*, Nov. 1876 (Spegazzini).

Obs. Spermatia oblongo-ellipsoidea, 7–9 × 3–4, utrinque acutiuscula, 2-guttulata, hyalina; perithecia lentiformia, 150–200 micr. diam., pertusa.

71. **Phyllosticta Siliquastri** Sacc. & Sp. Maculis versiformibus, arescendo rufescentibus; peritheciis amphigenis, sparsis, prominulis, umbilicatis, anguste pertusis, 120–150 micr. diam., ex olivaceo luteolis; spermatiis ovoideis oblongisve, obtusiusculis, 6–7 × 3–4, 2-guttulatis, hyalinis.

Hab. in foliis Cercidis Siliquastri *a Susigana*, Dec. 1876 (Spegazzini).

72. **Phyllosticta Paulowniæ** Sacc Maculis variis sinuosis, confluentibusque, arescendo ochraceis, saturatius marginatis; peritheciis epiphyllis punctiformibus, gregariis, lenticularibus; spermatiis oblongis, minutissimis, 3 × 1½, hyalinis.

Hab. in foliis Paulowniæ imperialis *a Vittorio*, Oct. 1875.

73. **Phyllosticta Symphoricarpi** West. Not. VII. 7. Kx. Flandr. I. 419. Maculis epiphyllis variis atrofuligineis, dein centro cinerascentibus; peritheciis punctiformibus, lenticularibus; spermatiis oblongis, 6–7 × 2½, utrinque rotundatis, hyalinis.

Hab. in foliis Symphoricarpi racemosæ *a Selva*, Oct. 1876.

74. **Phyllosticta Tecomæ** Sacc. Maculis versiformibus, arescendo fulvo-ochraceis; peritheciis sparsis lenticula-

ribus, 90–100 micr. diam., pertusis, contextu laxiuscule fuligineo; spermatiis oblongo-ovoideis 8 × 3–3½, 2–guttulatis, hyalinis, basidiis æquilongis filiformibus fultis.

Hab. in foliis Tecomæ radicantis *a Vittorio*, Oct. 1877.

75. **Phyllosticta Negundinis** Sacc. & Speg. Maculis variis arescendo fulvo-rufescentibus; peritheciis sparsis punctiformibus, lenticularibus, 100–120 micr. diam., latiuscule pertusis, contextu laxiuscule parenchymatico, dilute fuligineo; spermatiis ellipsoideis, 6–7 × 3–4, obsolete 2–guttulatis, hyalinis.

Hab. in foliis Negundis fraxinifoliæ *a Conegliano*, Oct. 1877 (Spegazzini).

B. Species herbicolæ.

76. **Phyllosticta phaseolina** Sacc. Maculis amplis vagis, arescendo ochraceis, peritheciis sparsis lenticularibus, 70 micr. diam., pertusis; spermatiis ovoideo-oblongis, 6 × 2½, rectis, rarius inæquilateralibus, hyalinis.

Hab. in foliis Phaseoli vulgaris *a Selva*, aut. 1875-76.

77. **Phyllosticta Iacobæa** Sacc. Maculis vagis, obtuse angulatis, arescendo ochraceis; peritheciis punctiformibus, remotis; spermatiis ovoideis v. breviter oblongis, 5 × 2, eguttulatis, hyalinis.

Hab. in foliis Senecionis Iacobeæ in sylva *Montello*, Aug. 1873.

78. **Phyllosticta Epimedii** Sacc. Maculis majusculis irregularibus, ochraceis, rufo-cinctis; peritheciis sparsis, punctiformibus, pertusis; spermatiis oblongo-ellipsoideis, 6 × 1½–2, 2–guttulatis, hyalinis,

Hab. in foliis Epimedii alpini in sylva *Montello*, Aug. 1873.

79. **Phyllosticta orobina** Sacc. Maculis sinuosis, variis, dilute ochraceis, brunneo-cinctis; peritheciis punctiformibus, pertusis; spermatiis ovoideis, 3 × 1, 2–guttulatis, hyalinis.

Hab. in foliis Orobi verni in sylva *Montello*, socia *Ascochyta Orobi*, Sept. 1874.

80. **Phyllosticta Physaleos** Sacc. Maculis subcircularibus arescendo ochraceis, brunneo-marginatis; peritheciis punctiformibus, remotiusculis, lenticularibus, 80 micr. diam., pertusis, contextu subferrugineo, minute celluloso; spermatiis oblongo-ovoideis, 7–8 × $3^1/_2$–4, crassiuscule 2-guttulatis, hyalinis.

Hab. in foliis Physaleos Alkekengi in sylva *Montello*, Aug. 1874.

81. **Phyllosticta Chenopodii** West. Exs. n. 959. – f. **C. polyspermi.** Maculis vagis arescendo ochraceis; peritheciis punctiformibus, lenticularibus 50 micr. diam., pertusis; spermatiis oblongo–ellipsoideis, 5 × 3, hyalinis.

Hab. in foliis Chenopodii polyspermi *a Selva* Aug. 1874.

82. **Phyllosticta Filipendulæ** Sacc. & Sp. Maculis arescendo fuligineis, subcircularibus; peritheciis gregariis, globoso–lenticularibus, 200–250 micr. diam., solidiusculis, latiuscule pertusis; spermatiis oblongo–ellipsoideis, 5–6 × 2–2 $^1/_2$, rectis curvulisque, nubilose hyalinis.

Hab. in foliis Spirææ Filipendulæ *a Susigana;* Oct. 1876.

83. **Phyllosticta Ranunculi** Sacc. & Sp. Maculis vagis, fuligineis; peritheciis hemisphærico-lenticularibus, prominulis, pertusis; spermatiis ovoideis, minutis, 5–6 × 3–$3^1/_2$, hyalinis.

Hab. in foliis Ranunculi repentis in iisdem maculis, quibus primitus insiderat *Ramularia didyma*, *a Conegliano,* Dec. 1876 (Spegazzini).

84. **Phyllosticta Galeopsidis** Sacc. Maculis arescendo dilute ochraceis versiformibus, margine concolori; peritheciis minutissimis, lenticularibus, 60 micr. diam., pertusis; spermatiis oblongis, sæpe inæquilateralibus, utrinque rotundatis, 4 × 3, 2-guttulatis, hyalinis.

Hab. in foliis Galeopsidis versicoloris *a Selva,* Aug. 1873, socia *Sphærella.*

85. **Phyllosticta Ajugæ** Sacc. & Sp. Maculis versifor-

mibus, latiusculis, arescendo dilute ochraceis, fusco-cinctis; peritheciis sparsis globulosis prominulis, 90–100 micr. diam., pertusis; contextu laxe parenchymatico fuligineo; spermatiis ovato-ellipsoideis, 7–8 × 3, rectis curvulisve, hyalinis, quandoque 2–guttulatis.

Hab. in foliis Ajugæ reptantis *a Conegliano*, Oct. 1877 (Spegazzini),

86. **Phyllosticta Gomphrenæ** Sacc. & Sp. Maculis vagis, latis, amphigenis, arescendo lutescentibus, fusco–cinctis; peritheciis sparsis punctiformibus, lenticularibus, pertusis, contextu laxe parenchymatico fuligineo; spermatiis oblongo-ellipsoideis, 7–8 × 3, hyalinis.

Hab. in foliis Gomphrenæ globosæ *a Conegliano*, Oct. 1877 (Spegazzini).

87. **Phyllosticta Campanulæ** Sacc. & Sp. Maculis variis fulvo–ochraceis, fusco–cinctis; peritheciis epiphyllis, sparsis, lenticularibus, 150 micr. diam., pertusis, laxe cellulosis; spermatiis ovoideis, 8 × 4 ½–5, subinæqualibus, dilute olivaceis.

Hab. in foliis Campanulæ Trachelii *a Vittorio*, Oct. 1877 (Spegazzini).

88. **Phyllosticta Lappæ** Sacc. Maculis subcircularibus, sinuosisque arescendo griseo–brunneis, saturatius marginatis; peritheciis remotiusculis, punctiformibus, lenticularibus, 70 micr. diam., contextu lutescenti; spermatiis ovoideo–oblongis v. subreniformibus, 6 × 3, hyalinis.

Hab. in foliis Lappæ minoris *a Selva* Aug. 1876–77.

89. **Phyllosticta Acetosæ** Sacc. Maculis subcircularibus ferrugineo–fuscis; peritheciis epiphyllis, punctiformibus, lenticularibus, gregariis, pertusis; spermatiis oblongis v. breve cylindraceis utrinque obtusis, 4–5 × 2, 2–guttulatis, hyalinis.

Hab. in foliis Rumicis Acetosæ *a Selva,* Sept. 1876.

90. **Pyllosticta Glechomæ** Sacc. Maculis variis sinuosis arescendo brunneis; peritheciis sparsis, punctiformibus, lenticularibus, pertusis; spermatiis oblongis utrinque ro-

tundatis, 7 × 3–3½, rectis v. curvulis, 2-guttulatis, hyalinis.

Hab. in foliis Glechomæ hederaceæ *a Selva*, Aug. 1877.

*** Species maculas nullas v. indefinitas efficientes.

91. **Phyllosticta laburnicola** Sacc. Mycoth. Ven. n. 978. Maculis nullis; peritheciis hinc inde congregatis, lenticularibus, diam. 60–70 micr. pertusis; spermatiis oblongo-cylindraceis, 3–5 × 1, hyalinis.

Hab. in pag. inferiore foliorum Cytisi Laburni *a Selva,* Aug. 1876.

92. **Phyllosticta liliicola** Sacc. Fungi Ven. Ser. II. 303. Maculis nullis; peritheciis hinc inde congregatis, amphigenis, punctiformibus, globulosis, pertusis; spermatiis ovoideis, 10 × 3, 2-guttulatis, hyalinis.

Hab. in foliis languidis Lilii candidi *a Selva,* Aut. 1873, socia *Sphærella Maturna* Sacc., cujus spermogonium videtur.

93. **Phyllosticta capsulicola** Sacc. & Sp. Maculis obsoletis; peritheciis gregariis, punctiformibus, lenticularibus, 70 × 100, pertusis; contextu parenchymatico dilute fuligineo; spermatiis ovoideis, curvulis, 7–11 × 3–4 ½, 1–2-guttulatis, hyalinis.

Hab. in capsulis Nicotianæ Tabaci *a Conegliano,* Oct. 1877 (Spegazzini).

94. **Phyllosticta Erythrææ** Sacc. & Sp. Maculis nullis; peritheciis per totum folium flavescens remote sparsis, globoso-lenticularibus, prominulis, atris; spermatiis oblongo-ellipsoideis, 7–10 × 2 ½–3, medio sæpe leniter contractis, 2-guttulatis, hyalinis.

Hab. in foliis Erythrææ Centaurii *a Conegliano* Oct. 1877 (Spegazzini).

95. **Phyllosticta Tropæoli** Sacc. & Sp. Maculis obsoletis; peritheciis gregariis, punctiformibus, epidermide prominula velatis, globoso-lenticularibus, 200 micr. diam., pertusis; contextu laxiusculo celluloso late fuligineo; spermatiis ovoideo-oblongis, 6–10 × 3–4, subinæqualibus, nubilose hyalinis.

Hab. in foliis Tropæoli majoris *a Conegliano* Oct. 1877 (Spegazzini).

96. **Phyllosticta Aucubæ** Sacc. & Sp. Maculis obsoletis v. nullis; peritheciis gregariis subcuticularibus, punctiformibus, 80–90 micr. diam., prominulis, anguste pertusis; spermatiis oblongis, utrinque obtusiusculis, $2^1/_2$–$3 \times {}^3/_4$–1, hyalinis.

Hab. in foliis dejectis Aucubæ japonicæ *a Conegliano*, Dec. 1876 (Spegazzini).

97. **Phyllosticta Laurocerasi** Sacc. & Sp. Maculis obsoletis v. subcircularibus candicantibus; peritheciis sæpe subconcentrice dispositis, punctiformibus, prominulis, olivaceo-fuscis; spermatiis oblongo-cylindraceis, utrinque rotundatis, raro ad medium subconstrictis, 8–10 × 3–4, sæpe 2–guttulatis, hyalinis.

Hab. in foliis dejectis Pruni Laurocerasi *a Treviso*, Apr. 1874 et *a Conegliano*, Nov. 1876 (Spegazzini).

98. **Phyllosticta Platani** Sacc. & Sp. Maculis obsoletis; peritheciis sparsis, punctiformibus, lenticularibus, luteolis; spermatiis ovoideo-oblongis, 5–6 × 1–$1^1/_2$, minute 2–guttulatis, nubilose hyalinis.

Hab. in pag. inf. foliorum Platani orientalis *a Conegliano*, Nov. 1876 (Spegazzini).

99. **Phyllosticta Mahoniæ** Sacc. & Sp. Maculis obsoletis; peritheciis sparsis, lenticularibus, punctiformibus, 200 micr. diam., poro angusto pertusis, ochraceo-fuligineis; spermatiis ellipsoideis v. subrotundis, utrinque obtusiusculis, 4–6 × 3–4, hyalinis.

Hab. in foliis dejectis Mahoniæ Aquifolii *a Conegliano*, Nov. 1876 (Spegazzini).

100. **Phyllosticta pyricola** Sacc. & Sp. Maculis obsoletis; peritheciis inordinate sparsis, lentiformibus, prominulis, hypophyllis, 150 mic. diam., atris; spermatiis ovoideis v. ovoideo-oblongis, 2–$2^1/_2$ × ${}^3/_4$–1, hyalinis.

Hab. in foliis dejectis Pyri communis *a Conegliano*, Dec. 1876 (Spegazzini).

101. **Phyllosticta crastophila** Sacc. Maculis obsoletis v. sordide ochraceis; peritheciis late sed laxiuscule gre-

gariis globoso-lenticularibus, innato-prominulis, atris; spermatiis oblongis, 5–6 × 2, rectis, utrinque obtusiusculis, 2-guttulatis, hyalinis.

Hab. in foliis Setariæ verticillatæ *a Selva*, Sept. 1875.

102. **Phyllosticta betulina** Sacc. Maculis nullis; peritheciis epiphyllis hinc inde dense maculiformiter aggregatis, innato-prominulis, globoso-lenticularibus atris; spermatiis botuliformibus minutis, 4–6 × 1–1¼, curvulis, hyalinis.

Hab. in foliis Betulæ albæ, socia *Sphærella maculiformi* f. *Betulæ*, cujus videtur spermogonium, *a Conegliano*, Oct. 1876 (Spegazzini).

103. **Phyllosticta Saponariæ** (Fckl.?) Sacc. – *Ascochyta Saponariæ* Fckl. Symb. 388? – Maculis nullis v. obsoletis, peritheciis epiphyllis, hinc inde maculiformiter densissime aggregatis, punctiformibus, globuloso-prominulis, 80 micr. diam., pertusis, aterrimis; spermatiis tenuissimis cylindraceis rectiusculis, 4 × ½, hyalinis.

Hab. in foliis Saponariæ officinalis socia *Septoria*, *a Selva* Oct. 1873.

104. **Phyllosticta? discors** Sacc. & Sp. Maculis obsoletis; peritheciis densiuscule gregariis, amphigenis, punctiformibus, lenticularibus atris, 80–120 micr. diam., pertusis, basi sæpius setulam unicam vel paucas aciculares, 80–100 × 3, septulatas fuligineas gerentibus; contextu parenchymatico minuto; spermatiis cylindraceis 20–25 × 4–4½, utrinque rotundatis, rectis v. curvulis, guttulatis v. nubilosis, hyalinis.

Hab. in foliis Rumicis Acetosæ *a Conegliano*, Oct. 1877 (Spegazzini).

++ Species chlorosporæ.

* Maculas in foliis albas v. griseas efficientes.

105. **Phyllosticta rubicola** Rabh. F. E. n. 1757. *Depazea areolata* Sacc. Myc. Ven. p. 192, an Fckl. Maculis subcircularibus parvis arescendo dealbatis, sangui-

neo-marginatis; peritheciis punctiformibus, paucis; spermatiis e globoso ovoideis, 3 × 2, e hyalino olivaceis.

Hab. in pag. sup. foliorum Rubi cæsii in sylva *Montello*, Aut. 1873.

106. **Phyllosticta populina** Sacc. *Depazea populina* Sacc. Myc. Ven. 193, an Fckl. Maculis angulosis arescendo candidis, nigromarginatis; peritheciis punctiformibus, pertusis; spermatiis ellipsoideis v. ovoideis, 6 × 3, e hyalino olivaceis.

Hab. in pag. sup. foliorum Populi nigræ, socia *Septoria Populi* Dmz., *a Selva*, Aut. 1873.

Obs. Quo spectent *Phyll. populina* Pers. et *Phyll. populnea* Dmz (in Oudem. Mat. Neerl. II. 23) prorsus ignoro.

107. **Phyllosticta juglandina** Sacc. Maculis vagis arescendo dealbatis fusco-cinctis; peritheciis punctiformibus, lenticularibus; spermatiis ovoideis, minutissimis, 4 × 2, e hyalino olivaceis.

Hab. in foliis Juglandis regiæ, *a Vittorio*, Oct. 1873.

108. **Phyllosticta viticola** Sacc. & Sp. Maculis vagis sinuosis, arescendo candidis, anguste fusco-cinctis, epiphyllis; peritheciis punctiformibus, lenticularibus, pertusis; spermatiis ellipsodeis, 5 × $2^1/_2$, eguttulatis, e hyalino olivaceis.

Hab. in foliis Vitis viniferæ in agro Tarvisino, Aut. 1876.

109. **Phyllosticta Evonymi** Sacc. Maculis minutis angulosis, arescendo candidis, brunneo-cinctis; peritheciis sparsis, punctiformibus, diam. 100 micr., lenticularibu spertusis; spermatiis oblongis, sæpius inæquilateralibus utrinque obtusis, 4–5 × $3^1/_2$–4, obsolete 2–guttulatis, chlorinis.

Hab. in foliis Evonymi europæi *a Vittorio*, Aut. 1873.

110. **Phyllosticta Quercus Ilicis** Sacc. Maculis epiphyllis subrotundo-sinuosis, arescendo candicantibus, linea atro-rufa distincte marginatis; peritheciis gregariis punctiformibus, lenticularibus, epidermide velatis; spermatiis ellipsoideo-oblongis, 5 × 4, luteolis.

Hab. in foliis Quercus Ilicis in Horto *Boboli* Florentiæ, Majo 1874.

Obs. A *Phyll. ilicina* Sacc. statim distinguenda.

111. **Phyllosticta rhamnigena** Sacc. Maculis subcircularibus arescendo sordide albis, fusco-marginatis; perithecciis epiphyllis dense gregariis punctiformibus, prominulis, atris; spermatiis ovoideo-oblongis, $4^1/_2$–5 × 3, 2-guttulatis, fuscidulo-olivaceis.

Hab. in foliis Rhamni cathartici *a Selva*, Aut. 1876.

Obs. A *Phyll. Rhamni* West. præcipue maculæ natura differt.

112. **Phyllosticta punica** Sacc. & Sp. Maculis parvis epiphyllis, subcircularibus sinuosis, arescendo candicantibus, rufo-marginatis; perithecciis punctiformibus, sparsis, lenticularibus, diam. 80–140 micr. diam., pertusis, contextu parenchymatico densiusculo fuligineo; spermatiis ellipsoideis, 6–7 × 3, dilute olivaceis.

Hab. in foliis Punicæ Granati *a Conegliano*, Oct. 1877 (Spegazzini).

113. **Phyllosticta Opuntiæ** Sacc. & Sp. Maculis variis arescendo candidis, margine subelevato lutescenti cinctis; perithecciis gregariis, lenticularibus, 150 micr. diam., pertusis, laxe cellulosis fuligineis; spermatiis ovoideis, 5–8 × 3–$3^1/_2$, curvulis rectisve, dilute olivaceis.

Hab. in cladodiis Opuntiæ Ficus indicæ *a Conegliano*, Oct. 1877 (Spegazzini).

114. **Phyllosticta Vincetoxici** Sacc. Maculis epiphyllis variis sinuosis, arescendo dealbatis margine tenui rufescente; perithecciis sparsis, punctiformibus lenticularibus; spermatiis ellipsoideis, 5–6 × 3–$3^1/_2$, quandoque inæquilateralibus, olivaceis.

Hab. in foliis Cynanchi Vincetoxici *a Vittorio*, Oct. 1875.

Obs. A *Phyll. Asclepiadearum* West. spermatiis coloratis differt.

115. **Phyllosticta Photiniæ** Sacc. Maculis subcircularibus irregularibusve epiphyllis, arescendo candidis, atro-rufo-marginatis; perithecciis remote sparsis, e globoso

lenticularibus, 60–70 micr. diam., latiuscule pertusis, contextu validiusculo; spermatiis minutissimis ovoideo-oblongis, 2–3½ × ¾–1, eguttulatis e hyalino olivaceis.

Hab. in foliis Photiniæ serrulatæ *a Selva*, Aug. 1874.

116. **Phyllosticta photinicola** Sacc. Maculis vagis majusculis, arescendo candicantibus, rufo-marginatis; peritheciis remotiusculis, punctiformibus lenticularibus, 140–150 micr., diam., latiuscule pertusis, contextu laxiuscule celluloso subochraceo; spermatiis ovoideis, 5–6 × 3–3½, dilute fuligineis.

Hab. in pag. sup. foliorum Photiniæ serrulatæ *a Selva*, Sept. 1874.

117. **Phyllosticta laurella** Sacc. Maculis latis sinuosis arescendo expallentibus, fusco-cinctis; peritheciis sparsis, punctiformibus, pertusis; spermatiis subsphæroideis, minutis, 4 × 3, fuscidulis.

Hab. in foliis Lauri nobilis *a Selva*, Aug. 1873.

118. **Phyllosticta ruscicola** Dmz. Not. XIV. 32. Maculis subcircularibus vagisve arescendo albicantibus, brunneo-cinctis; peritheciis minutis globoso-lenticularibus, initio tectis; spermatiis oblongis, 7–3 × 3½, lutescenti-viridulis.

Hab. in cladodiis Rusci aculeati *a Selva*, Sept. 1874, socia *Leptosphæria Rusci* (Wallr.) Sacc., cujus est probabile spermogonium, (Cfr. Mycol. Ven. tab. IX. fig. 32.) nec non Rusci Hippoglossi *a Conegliano*, (sperm. 10 × 3–4). Aut. 1876 (Spegazzini).

** Species maculas in foliis ochraceas v. fuscas efficientes.

A. Arboricolæ.

119. **Phyllosticta prunicola** (Opiz?) Sacc. Maculis subcircularibus epiphyllis, arescendo sordide brunneis v. ochraceis, margine subconcolore; peritheciis sparsis, punctiformibus, pertusis; spermatiis ovoideis v. ellipsoideis, 5 × 3, e hyalino olivaceis.

Hab. in pag. sup. foliorum Pruni domesticæ, P. Cerasi nec non Pyri Mali *a Selva*, Aut. 1873-75.

Obs. Huc spectat *Depazea prunicola* Sacc. Mycol. Ven. 193, an Opiz. Forma in Malo ad *Leptosphæriam Pomonam* Sacc., tamquam spermogonium, pertinere videtur.

120. **Phyllosticta Tiliæ** Sacc. & Sp. Maculis versiformibus arescendo dilute ochraceis, fuligineo-marginatis; peritheciis sparsis, lenticularibus, 120 micr. diam., pertusis, contextu parenchymatico laxo, subolivaceo; spermatiis ellipsoideis utrinque obtusis, 5–6 × 3, dilute chlorinis.

Hab. in foliis Tiliæ europeæ *a Conegliano*, Oct. 1877 (Spegazzini).

121. **Phyllosticta ulmicola** Sacc. Maculis vagis, majusculis, arescendo ochraceis, margine concolori; peritheciis gregariis punctiformibus, 70–80 diam., lenticularibus, pertusis; spermatiis oblongo-ellipsoideis, 6 × 3, e hyalino olivaceis.

Hab. in foliis Ulmi campestris *a Selva*, Aut. 1874.

Obs. A *Phyll. Ulmi* West. Fl. Batav. Fung. 99 differt maculis ochraceis nec griseis, spermatiisque minoribus (nec 10 × 5) coloratis nec hyalinis.

122. **Phyllosticta Rhamni** West. Not. V. 26. *Phyll. Frangulæ* Kx. Fland. I. 418 .Maculis vagis, subochraceis, fusco-cinctis; peritheciis sparsis, punctiformibus, pertusis; spermatiis oblongis ovoideisve, 6 × 3–3½, e hyalino olivaceis.

Hab. in foliis Rhamni Frangulæ *a Selva*, Aug. 1873.

Obs. Spermatia in Kx. l. c. hyalina indicantur, sed ab ætate pendere potest.

123. **Phyllosticta carpinea** Sacc. Maculis subcircularibus, sinuosisve majusculis, arescendo dilute ochraceis, brunneo-marginatis; peritheciis sparsis, punctiformibus, pertusis; spermatiis e globoso ovoideis, 4–3, e hyalino olivaceis.

Hab. in foliis Carpini Betuli *a Selva*, Aut. 1873.

124. **Phyllosticta corylaria** Sacc. Maculis vagis, sinuo-

sis, arescendo pallide ochraceis, brunneo-marginatis; peritheciis remote sparsis punctiformibus, hemisphæricis, prominulis, diam. 80 micr, pertusis, contextu minute celluloso; spermatiis ovato-oblongis, 4–4½ × 2, dilute olivaceis.

Hab. in foliis Coryli Avellanæ *a Selva*, Aug. 1874.

Obs. A *Phyll. Coryli* (Dmz. sub *Cheilaria*) West. toto cœlo diversa.

125. **Phyllosticta Mespili** Sacc. Maculis subcircularibus, arescendo ochraceis, rufo-cinctis; peritheciis sparsis punctiformibus, lenticularibus, pertusis, laxe cellulosis lutescentibus; spermatiis oblongis utrinque rotundatis, 4 × 3, olivaceis.

Hab. in foliis Mespili germanicæ *a Selva*, e *Cusignana*, Aug. 1876.

B. Herbicolæ.

126. **Phyllosticta Tormentillæ** Sacc. Maculis pallide ochraceis irregularibus, margine subconcolori; peritheciis punctiformibus, lenticularibus, sparsis; spermatiis breve ellipsoideis minutissimis, 3 × 2½, e hyalino fuscidulis.

Hab. in foliis Tormentillæ erectæ in sylva *Montello*, Aut. 1873.

Obs. A *Ph. potentillica* Sacc., *Ph. fragaricola* Dmz. &c. tute diversa.

127. **Phyllosticta Scrophulariæ** Sacc. Maculis vagis ochraceis, margine subconcolori; peritheciis punctiformibus sparsis; spermatiis ellipsoideis utrinque obtusis, 5 × 3, e hyalino fuscidulis.

Hab. in foliis Scrophulariæ nodosæ *a Selva*, Aut. 1873.

128. **Phyllosticta lutetiana** Sacc. Maculis subcircularibus arescendo pallide ochraceis, anguste castaneo-cinctis; peritheciis sparsis, punctiformibus, pertusis; spermatiis ovoideis 5 × 4, e hyalino olivaceis.

Hab. in foliis Circææ lutetianæ *a Selva*, Aug. 1873.

129. **Phyllosticta ligustrina** Sacc. & Sp. Maculis versiformibus, arescendo sordide lutescentibus; peritheciis gregariis, olivaceo-fuscis, lenticularibus 150–200 micr. diam., pertusis; spermatiis globoso-ovoideis, 4–6 × 3–4, pallide olivaceis.

Hab. in foliis Ligustri vulgaris *a Costa* (Vittorio) Dec. 1876 (Spegazzini).

130. **Phyllosticta Phaseolorum** Sacc. & Sp. Maculis versiformibus amplis arescendo ochraceis; peritheciis punctiformibus, lenticularibus, 100 micr. diam. pertusis, fuligineis; spermatiis ovoideo-oblongis rectis curvulisve, 5–6 × 3–3 $^1/_2$, chlorino-olivaceis.

Hab. in foliis Phaseoli vulgaris *a Costa,* Oct. 1877.

Obs. An status alter v. provectus *Phyll. phaseolinæ* Sacc. (n. 76)?

131. **Phyllosticta Dulcamaræ** Sacc. Maculis versiformibus, sæpe marginalibus, arescendo brunneis; peritheciis epiphyllis sparsis lenticularibus, punctiformibus, 80–90 micr. diam. pertusis; spermatiis globoso-ellipsoideis, inæqualibus, 5–6 × 3, e hyalino chlorinis.

Hab. in foliis Solani Dulcamaræ *a Selva,* Aug. 1873, socia *Septoria.*

*** Species maculas obsoletas v. nullas efficientes.

132. **Phyllosticta nervisequa** Sacc. Maculis nullis v. obsoletis; peritheciis secus foliorum nervos digestis, innato-prominulis, applanatis, oblongis 120–130 lgs, 80 lts, minute pertusis contextu parenchymatico densiusculo fuligineo; spermatiis oblongo-cylindraceis, 8–10 × 3 $^1/_2$, leniter curvulis rectisve, utrinque obtusiusculis, eguttulatis, e hyalino dilutissime olivaceis.

Hab. in foliis Calystegiæ sepium, utrâque paginâ conspicua, *a Conegliano,* Aug. 1876 (Spegazzini).

133. **Phyllosticta Pœoniæ** Sacc. & Sp. Maculis obsoletis; peritheciis sparsis punctiformibus, globulosis, prominulis, 200 micr. diam., pertusis, laxiuscule cellulosis; spermatiis ovoideis, 10 × 5, quandoque obsolete 2-guttulatis, dilute olivaceis.

Hab. in foliis Pœoniæ corallinæ *a Conegliano*, Oct. 1877 (Spegazzini).

Ascochyta Lib. em., Sacc. Fungi Ven. Ser. II. 302 (in nota) Peritheciis in partibus plerumque decoloratis foliorum vel ramulorum innata, membranacea, poro centrali pertusa, spermatiis ovoideis oblongisve, 1-septatis, hyalinis v. chlorinis fœta.

\+ Species hyalosporæ.

* Maculas albidas v. griseas efficientes.

134. **Ascochyta Orobi** Sacc. Mycoth. Ven. n. 987. (Ian. 1877). Maculis arescendo dealbatis, sinuosis, fusco-cinctis; peritheciis punctiformibus, lenticularibus, 100 diam., latepertusis; spermatiis constricto-bilocularibus, oblongis, utrinque obtusis, 15–16 × $4^1/_2$–6, guttulatis, hyalinis.

Hab. in foliis Orobi verni in sylva *Montello*, Aug. 1876.

Obs. Huc spectat *Septoria Orobi* Pass. in Rabh. F. E. n. 2256 (Aprili 1877).

135. **Ascochyta malvicola** Sacc. Maculis subcircularibus, sinuosisve arescendo dealbatis, vix marginatis; peritheciis sparsis punctiformibus lenticularibus, pertusis; spermatiis breve cylindraceis, utrinque rotundatis, 20 × 4, 1-septatis, leniter constrictis, minute 4-guttulatis, hyalinis.

Hab. in foliis Malvæ sylvestris *a Selva*, Aug. 1873.

136. **Ascochyta limbalis** Sacc. Maculis vagis, sæpe marginalibus, arescendo candidis, zona nigrescente cinctis; peritheciis lenticularibus, pertusis; spermatiis oblongo-cylindraceis, 15 × 2, utrinque obtusiuculis, 1-septatis, vix constrictis 4-guttulatis, hyalinis.

Hab. in pag. super. foliorum Buxi sempervirentis *a Selva*, Aug. 1874.

Obs. Huc *Depazea buxicola* Sacc. Myc. Ven. p. 193 an Friesii, quæ = *Phyllosticta limbalis* Pers. = *Ph.*

buxicola Kx; sed auctores de septo sporarum silent, ergo de identitate cum mea dubitandum.

137. **Ascochyta Lantanæ** Sacc. Maculis subcircularibus sinuosisve arescendo dealbatis, anguste fusco-marginatis; perithecis punctiformibus, epiphyllis sparsis, pertusis; spermatiis anguste fusoideis, 11 × 2, 1–septatis, non constrictis, hyalinis.

Hab. in foliis Viburni Lantanæ *a Selva*, Aug. 1874.

Obs. Cum *Septoria Viburni* West. non comparanda.

138. **Ascochyta Quercus** Sacc. & Sp. Maculis versiformibus arescendo albicantibus; perithecis sublenticularibus, punctiformibus, 80–90 micr. diam.; spermatiis oblongo-ellipsoideis, 7–12 × 3–4½, utrinque obtusis, 1–septatis, ad septum plus minusve constrictis, hyalinis.

Hab. in foliis quercinis *a Susigana*, Oct. 1876 (Spegazzini).

139. **Ascochyta Coryli** Sacc. & Sp. Maculis variis v. subcircularibus arescendo albicantibus; perithecis lenticularibus, 200 mic. diam., pertusis, fuscis; spermatiis oblongo-ellipsoideis v. subcylindraceis, 10 × 2½, 1–septatis, non constrictis, rectis curvulisve, hyalinis.

Hab. in foliis Coryli Avellanæ *a Costa* (Vittorio), Nov. 1876 (Spegazzini).

140. **Ascochyta Oleandri** Sacc. & Sp. Maculis albis fusco cinctis; perithecis sparsis amphigenis, lenticularibus, 200 micr. diam., pertusis, dilute fuligineis; spermatiis fusoideo-oblongis, 11–15 × 2–2½, 1–septatis, non v. vix constrictis nubilosis, hyalinis.

Hab. in foliis Nerii Oleandri *a Conegliano*, Dec. 1876 (Spegazzini).

141. **Ascochyta Calycanthi** Sacc. & Sp. Maculis arescendo albicantibus, variis; perithecis gregariis lenticularibus, punctiformibus, 200 micr. diam., pertusis, atris; spermatiis oblongis v. oblongo-ellipsoideis, 11–14 × 2½–3, utrinque obtusiusculis, 1–septatis, non constrictis, hyalinis v. nubilosis.

Hab. in foliis Calycanthi floridi *a Conegliano*, Dec. 1876 (Spegazzini).

142. **Ascochyta Violæ** Sacc. & Sp. Maculis arescendo dealbatis, variis; peritheciis gregariis, globoso-lenticularibus, 180–200 micr. diam., pertusis, contextu parenchymatico, circa ortiolum condensato, fuligineo; spermatiis breve fusoideis, 15–18 × $3^1/_2$–4, 1–septatis, non constrictis hyalinis.

143. **Ascochyta Robiniæ** Sacc. & Sp. Maculis arescendo dealbatis, tenuiter fusco-marginatis; peritheciis sparsis punctiformibus, lenticularibns 180 micr. diam., pertusis; spermatiis oblongo-ellipsoideis, 10–15 × 5–6, 1–septatis, non constrictis, hyalinis.

144. **Ascochyta Emeri** Sacc. Maculis sæpius marginalibus, arescendo sordide albis, rufo-cinctis; peritheciis sparsis amphigenis, punctiformibus, lenticularibus, 110–120 micr. diam., pertusis; contextu minute parenchymatico fuligineo; spermatiis oblongo-ellipsoideis, 9–15 × 3–4, utrinque rotundatis, 1–septatis, leniter constrictis, hyalinis.

Hab. in foliis Coronillæ Emeri in sylva *Montello*, Oct. 1876.

145. **Ascochyta Chloræ** Sacc. & Sp. Maculis variis arescendo expallentibus; peritheciis sparsis, globoso-lenticularibus, 100–200 micr. diam., subastomis; contextu laxe parenchymatico dilute fuligineo; spermatiis, oblongo-fusoideis 10–18 × 2–3, 1–septatis, leniter constrictis, utrinque acutiusculis, hyalinis.

Hab. in foliis Chloræ perfoliatæ *a Conegliano*, Oct. 1877 (Spegazzini).

146. **Ascochyta Erythronii** Sacc. & Sp. Maculis albescentibus, indeterminatis; peritheciis punctiformibus, lenticularibus, pertusis; 150–180 micr. diam.; contextu parenchymatico, dilute fuligineo; spermatiis oblongo-fusoideis, 14–18 × 4–5, utrinque acutiusculis, 1–septatis, vix constrictis, hyalinis.

Hab. in foliis Erythronii Dentis canis *a Conegliano* Aug. 1877 (Spegazzini).

147. **Ascochyta Daturæ** Sacc. Maculis subcircularibus, sinuosis, arescendo albicantibus, margine lato ochraceo cinctis; peritheciis gregariis epiphyllis, quandoque sub-

concentricis, e globoso lenticularibus, innato-prominulis 100 micr. diam.; spermatiis cylindracco-oblongis, utrinque rotundatis, 7–8 × 3, 1–septatis, vix constrictis, hyalinis.

Hab. in foliis Daturæ Stramonii *a Selva*, Oct. 1875.

148. **Ascochyta rosicola** Sacc. Maculis subcircularibus arescendo dealbatis, rufo-marginatis, epiphyllis; perithecciis punctiformibus, lenticularibus, pertusis; spermatiis oblongis v. breve fusoideis, 8–10 × 3, 1–septatis, non constrictis, utrinque 1–guttulatis, hyalinis.

Hab. in pag. sup. foliorum Rosæ muscosæ *a Selva*, Aug. 1874.

149. **Ascochyta Sorghi** Sacc. Fungi Veneti Ser. II. 302.

Hab, in foliis Sorghi vulgaris *a Selva*, Aug. 1874, socia *Sphærella Cerere* Sacc.

Obs. Maculæ pallidæ, sanguineo-cinctæ; spermatia oblongo-ovoidea, 14 × 3, 1–septata, 4–guttulata, hyalina.

150. **Ascochyta Ischæmi** Sacc. Maculis indeterminatis expallentibus; perithecciis punctiformibus, globulosis, innatis; spermatiis ellipsoideis v. ovoideis, 10 × 4½, 1–septatis, non constrictis, 2–guttulatis, hyalinis.

Hab. in foliis culmisque Andropogonis Ischæmi *a Narvesa*, Aug. 1873.

Obs. Ascochytæ graminicolæ Sacc. F. Magn. n. 30 affinis.

** Species maculas ochraceas, rufas v. brunneas efficientes.

151. **Ascochyta Phaseolorum** Sacc. Mycoth. Ven. n. 988. Maculis indeterminatis, arescendo ochraceis; perithecciis epiphyllis globoso-lenticularibus, 100 diam., pertusis; spermatiis oblongis constricto–1–septatis, 10 × 3, 2–guttulatis, hyalinis.

Hab. in foliis Phaseoli vulgaris *a Selva*; Sept. 1876.

152. **Ascochyta physalina** Sacc. Mycoth. Ven. n. 985, Fungi ital. n. 88.

Hab. in foliis languidis Physalis Alkekengi in sylva *Montello*, Oct. 1876.

Obs. Maculæ ochraceæ, variæ; spermatia cylindraceo-oblonga, constricto-1-septata, 25–28 × 8, 2–4-guttulata, hyalina.

153. **Ascochyta Calystegiæ** Sacc. Maculis vagis irregularibus, arescendo brunneis, concentrice subzonatis, margine saturatiori; peritheciis sparsis epiphyllis punctiformibus, lenticularibus, 90–100 micr. diam., pertusis, laxe cellulosis; spermatiis oblongis v. subclavatis, 7–8 × 3, utrinque obtusiusculis, 1-septatis, non v. vix constrictis, hyalinis.

Hab. in foliis Calystegiæ sepium *a Selva*, Sept. 1876.

154. **Ascochyta Aristolochiæ** Sacc. Maculis amphigenis, subcircularibus, arescendo denigratis, margine saturatiori; peritheciis sparsis, remotis, punctiformibus, 60–70 diam., lenticularibus, pertusis, contextu tenui-parenchymatico, luteo-fusco; spermatiis ellipsoideo-oblongis, 7–9 × 3–3½, utrinque rotundatis, rectis curvulisve, 1-septatis, vix constrictis, hyalinis.

Hab. in foliis Aristolochiæ Clematitis *a Selva*, Sept. 1876.

155. **Ascochyta zeina** Sacc. Maculis longitudinaliter oblongis sanguineis, margine subconcolori; peritheciis gregariis, punctiformibus, lenticularibus, pertusis; contextu laxiuscule parenchymatico, fuligineo; spermatiis oblongo-ellipsoideis, 18–7½, utrinque rotundatis, 1-septatis, leniter constrictis, crasse 2-nucleatis hyalinis.

Hab. in pag. sup. foliorum Zeæ Maydis *a Conegliano* (A. Bérenger).

156. **Ascochyta Philadelphi** Sacc. & Sp. Maculis subcircularibus, arescendo ochraceis; peritheciis punctiformibus, 200 micr. diam., quandoque subconcentrice dispositis, pertusis; spermatiis constricto-didymis, utrinque rotundatis, 8–11 × 4–4½, hyalinis.

Hab. in foliis Philadelphi coronarii *a Conegliano*, Nov. 1876 (Spegazzini).

157. **Ascochyta Ligustri** Sacc. & Sp. Maculis versiformibus, arescendo subochraceis; peritheciis lenticularibus, punctiformibus, 200 micr. diam., olivaceo-fuscis;

spermatiis ovoideis v. oblongo-ellipsoideis, utrinque rotundatis, interdum curvulis, 1–septatis, ad septum leniter constrictis, 8–10 × 2–3, hyalinis.

Hab. in foliis Ligustri vulgaris *a Costa* (Vittorio), Nov. 1876 (Spegazzini).

158. **Ascochyta Plantaginis** Sacc. & Sp. Maculis variis arescendo brunneis; peritheciis gregariis, lenticulari-umbilicatis, 100–150 micr. diam., latiuscule pertusis, laxe celluloso-contextis, olivaceo-fuligineis; spermatiis oblongis v. subellipsoideis, 7–12 × $2^1/_2$–3, utrinque obtusis, sæpe curvulis, 1–septatis, non constrictis, 2–guttulatis, hyalinis.

Hab. in foliis Plantaginis majoris *a Susigana*, Dec. 1876 (Spegazzini).

159. **Ascochyta Paliuri** Sacc. Maculis variis, latis, arescendo fusco-ochraceis, vix marginatis; peritheciis epiphyllis, sparsis, punctiformibus, initio epidermide velatis, lenticularibus, 100 micr. diam., latiuscule pertusis, laxe cellulosis, fuligineis; spermatiis oblongis, utrinque obtuse rotundatis, 7–9 × 3–$3^1/_2$, 1–septatis, leniter constrictis, obsolete guttulatis, hyalinis.

Hab. in foliis Paliuri aculeati *a Selva* & *Conegliano*, Oct. 1876.

160. **Ascochyta Elaterii** Sacc. Maculis vagis, arescendo pallide argillaceis, fusco-cinctis; peritheciis gregariis velatis, sublenticularibus, 100–110 micr. diam. late pertusis, initio (imperfectis) fulventibus, dein nigricantibus; spermatiis cylindraceo-oblongis, 20–22 × 4, utrinque rotundatis, rectis curvulisve, 1–septatis, non v. vix constrictis, hyalinis.

Hab. in foliis Momordicæ Elaterii in Horto Patavino, Oct. 1876.

161. **Ascochyta Verbasci** Sacc. & Sp. Maculis arescendo sordide ochraceis, vagis, margine concolore; peritheciis sæpius epiphyllis, lenticularibus, diam. micr. 150–200, pertusis, cellulis dilute fuligineis sinuosis contextis; spermatiis ovato-oblongis, 15–18 × 5–$5^1/_2$, constricto–1–septatis, rectis v. leniter curvulis, 4–guttulatis, hyalinis.

Hab. in foliis Verbasci phlomoidis *a Conegliano*, Sept. 1877 (Spegazzini).

162. **Ascochyta sorghina** Sacc. Maculis longitudinaliter oblongis arescendo fuscis, sanguineo-marginatis; perithecciis dense gregariis, globoso-depressis, papillulatis, pro genere majusculis; spermatiis oblongo-ellipsoideis, 20 × 8, 1–septatis, leniter constrictis, minute pluriguttulatis, hyalinis.

Hab. in foliis Sorghi vulgaris *a Selva*, Sept. 1873.

Obs. Ab *A. zeina* perithecciis majoribus, spermatiis pluriguttulatis &c. recedere videtur.

*** Species maculas nullas v. obsoletas efficientes.

163. **Ascochyta Aucubæ** Sacc. & Sp. Maculis nullis; perithecciis gregariis subgloboso-lenticularibus, initio tectis, 250 micr. diam., prominulis, pertusis, contextu parenchymatico fuligineo; spermatiis fusoideo-oblongis, 8–12 × 2–2½, 1–septatis, non v. vix constrictis, nubilose hyalinis.

Hab. in foliis dejectis Aucubæ japonicæ *a Conegliano*, Dec. 1876 (Spegazzini).

164. **Ascochyta Orni** Sacc. & Sp. Maculis nullis v. obsoletis; perithecciis amphigenis, globoso-lenticularibus, 200 micr. diam., pertusis, prominulis; spermatiis ovato-fusoideis, 10–11 × 2–2½, 1–septatis, non v. rarius leniter constrictis, nubilose hyalinis.

Hab. in foliis Fraxini Orni *a Conegliano*, Dec. 1876 (Spegazzini).

165. **Ascochyta Marchantiæ** Sacc. & Sp. Maculis obsoletis; perithecciis punctiformibus, lenticularibus, 90–100 micr. diam., plerumque seriatim digestis, erumpentibus, distincte celluloso-contextis, olivaceo-fuligineis; spermatiis oblongis, 13–15 × 3–4, constricto–1–septatis, loculo altero plerumque paulo crassiore, 2–guttulatis, hyalinis.

Hab. in fronde emortua Marchantiæ *a Conegliano*, Dec. 1876 (Spegazzini).

++ Species chlorosporæ.

* Maculas in foliis albas v. griseas efficientes.

166. **Ascochyta pyricola** Sacc. Fungi Ven. Ser. II. 311. Mycoth. Ven. n. 518.

Hbb. in pag. sup. foliorum Pyri communis *a Selva*, 1874-76.

Obs. Maculæ albo-griseæ, nitidæ; spermatia oblonga, 1-septata, 10 × 2, 2-guttulata, olivacea.

167. **Ascochyta Sambuci** Sacc. Mycoth. Ven. n. 986. Maculis vagis arescendo candicantibus; peritheciis parcis, punctiformibus, pertusis; spermatiis fusoideis, 15–18 × 3–3½, 1-septatis, non constrictis, olivaceis.

Hab. in pag. sup. foliorum Sambuci nigræ *a Selva*, Sept. 1876.

168. **Ascochyta ampelina** Sacc. Maculis vagis angulosis arescendo candicantibus, fusco-marginatis, epiphyllis; peritheciis sparsis punctiformibus lenticularibus, 70 micr. diam., pertusis; spermatiis ex oblongo fusoideis, 10 × 3, 1-septatis non constrictis, dilute olivaceis (rarissime 12–15 × 3–3½, 2–3-septatis) – Var. *cladogena:* peritheciis majoribus, 150–200 micr. diam.; spermatiis quoque paulo longioribus, 15 × 3.

Hab. in foliis Vitis viniferæ *a Selva*, Aug. 1874. Var. in ejusdem sarmentis vivis *a Conegliano*, Oct. 1877 (Spegazzini).

169. **Ascochyta Tecomæ** Sacc. Maculis indeterminatis candicantibus, cladogenis; peritheciis gregariis punctiformibus globoso-lenticularibus, 90–100 diam. pertusis, initio epidermide velatis, dein erumpentibus; spermatiis breve fusoideis, 8–10 × 2½–3, rectis curvulisve, 1-septatis, non constrictis dilute olivaceis.

Hab. in ramulis nondum emortuis Tecomæ radicantis *a Conegliano*, Majo 1876 (Spegazzini).

170. **Ascochyta populina** Sacc. Maculis variis, angulosis, arescendo candidis, atrocinctis; peritheciis punctiformibus, sparsis; spermatiis cylindraceo-fusoideis, 10–11 × 1½–2, rectis, 1-septatis, non v. vix constrictis, e hyalino olivaceis.

Hab. in pag. sup. foliorum Populi nigræ *a Selva*, Sept. 1874.

171. **Ascochyta buxina** Sacc. Maculis indeterminatis arescendo expallentibus; peritheciis sparsis, punctiformibus; spermatiis ovato-fusoideis 8 × $2^1/_2$, 1–septatis, non constrictis, dilute olivaceis.

Hab. in foliis Buxi sempervirentis *a Selva*, Aug. 1874.

172. **Ascochyta cornicola** Sacc. Maculis subcircularibus arescendo dealbatis rufo-cinctis; peritheciis punctiformibus, lenticularibus, 80 micr. diam., pertusis; spermatiis oblongo-ellipsoideis, 7–10 × $3^1/_2$–4, 1–septatis, non constrictis, dilute olivaceis.

Hab. in foliis Corni sanguineæ *a Selva*, Aug. 1874.

173. **Ascochyta ulmella** Sacc. Maculis hypophyllis arescendo expallentibus, margine concolori; peritheciis sparsis, paucis, punctiformibus, lenticularibus, pertusis; spermatiis breve fusoideis, rectis, 8–10 × 3, 1–septatis, non v. vix constrictis, dilute olivaceis.

Hab. in foliis Ulmi campestris *a Selva*, Aug. 1877.

174. **Ascochyta Hellebori** Sacc. Fungi Veneti Ser. II. pag. 310.

Hab. in pag. sup. foliorum Hellebori viridis *a Selva*, Aut. 1873, socio stat. ascoph. *Leptosphæria Lathonia* Sacc.

Obs. Maculæ albicantes, atrolimbatæ; spermatia breve fusoidea, 8 × $1^3/_4$–1, 1–septata, viridula.

175. **Ascochyta Fragariæ** Sacc. Maculis arescendo dealbatis, atro-sanguineo-marginatis, subcircularibus; peritheciis e globoso lenticularibus 100 micr. diam., latiuscule pertusis; contextu tenui parenchymatico subochraceo, circa porum conspicue incrassato; spermatiis oblongo-fusoideis, rectis, 12–15 × 3–4, 1–septatis, non constrictis, dilute olivaceis.

Hab. in pag. sup. foliorum Fragariæ chilœnsis *a Selva*, Sept. 1877.

Obs. Affinis *Ascochytæ ampelinæ* Sacc. (n. 168).

176. **Ascoschyta Potentillarum** Sacc. Maculis versiformibus epiphyllis arescendo candicantibus, atro-sanguineo-marginatis; peritheciis punctiformibus, lenticularibus; spermatiis fusoideo-cylindraceis, utrinque obtusiusculis, 10 × 3, 1–septatis, non constrictis, chlorinis.

Hab. in foliis Potentillæ reptantis *a Selva*, Aug. 1874.

177. **Ascochyta Weigeliæ** Sacc. & Sp. Maculis epiphyllis, angulosis, arescendo candicantibus; peritheciis punctiformibus, lenticularibus, 100–150 micr. diam., pertusis, contextu minute parenchymatico, dilute fuligineo; spermatiis oblongis, 12–14 × 3–4, 1–septatis, subconstrictis, minute 4–guttulatis, chlorinis.

Hab. in foliis Weigeliæ roseæ *a Conegliano*, Oct. 1877 (Spegazzini).

** Maculas ochraceas v. brunneas efficientes.

178. **Ascochyta Tini** Sacc. Maculis vagis arescendo ochraceis, margine subconcolori; peritheciis sparsis, paucis, punctiformibus, lenticularibus 60–70 micr. diam., pertusis, contextu laxe tenui-celluloso, ferrugineo; spermatiis fusoideis, 6–10 × 3, 1–septatis, non v. vix constrictis, dilute olivaceis (rarissime 2–septatis).

Hab. in pag. sup. foliorum Viburni Tini *a Selva*, Aug. 1876.

179. **Ascochyta carpinea** Sacc. Maculis subcircularibus sinuosisve, arescendo ochraceis, margine subconcolori; peritheciis sparsis, raris, punctiformibus, lenticularibus, 100 micr. diam., pertusis; spermatiis oblongo-fusoideis, 10–11 × $2^1/_2$, 1–septatis, non constrictis, dilute olivaceis.

Hab. in pag. sup. foliorum Carpini Betuli *a Covolo*, Aug. 1874.

180. **Ascochyta Lamiorum** Sacc. Maculis versiformibus amphigenis, arescendo dilute ochraceis, margine paulo saturatiore; peritheciis punctiformibus, lenticularibus, 50–70 micr. diam., pertusis; spermatiis bacillari-fusoideis utrinque acutiusculis, 9–11 × 2–$2^3/_4$, 1–septatis, non constrictis, e hyalino chlorinis.

Hab. in foliis Lamii albi *a Selva*, Sept. 1873.

Septoria Fr., Dmz., Sacc. Mycol. Ven. p. 195.

+ Species in plantis dicotyledoneis parasiticæ.

* Arboricolæ.

A. Maculas albas v. griseas efficientes,

§ Foliicolæ.

181. **Septoria Cytisi** Dmz. – M.V. n. 322 – Fungi Ven. Ser. V. 205.

Obs. Spermatia flexuosa, 90–100 × $3^1/_2$, 6–7–septata, hyalina.

182. **Septoria pyricola** Dmz. – M.V. n. 320 – Fungi Ven. Ser. II. 310.

Obs Spermatia curvula, 60 × $3^1/_2$, 2–septata, multiguttulata, dilute olivacea.

183. **Septoria Populi** Dmz. – M.V. n. 313 – Mycol. Ven. p. 197.

Obs. Spermatia bacillaria, utrinque obtusiuscula, curvula, 45 × 3, 1–septata, hyalina.

184. **Septoria candida** (Fckl.?) Sacc. *Depazea candida* Fckl. *Sept. Populi* f. *P. albæ* Mycoth. Ven. n. 540.

Obs. Spermatia bacillaria, 28–30 × $2^1/_2$, curvula, 3–septata, hyalina. *Dep. candida* in Thm. F.A. n. 1191 sistit *Phyllostictam populeam* Sacc. & *Ascochytam populinam* Sacc.

185. **Septoria oleandrina** Sacc. M.V. n. 533. Fungi Veneti V. 205 et in Rabh. F.E. n. 2158.

Obs. Spermatia inæquilonga, sæpe curvula, quandoque clavulata, 15–25 × $1^1/_2$–2, obsolete septulata, hyalina.

186. **Septoria salicicola** (Fr.) Sacc. M.V. n. 1017 – *Depazea salicicola* Fr.

Hab. in foliis Salicis cinereæ *a Colfosco*, Sept. 1876.

Obs. Spermatia bacillaria, curvula, 40–50 × 3, 3–septata, hyalina. A *Sept. Salicis* West, *Sept. salicella* B. et Br. et a *Sept. didyma* Fckl. longe diversa. Ve-

risimiliter huc spectat *S. Capreæ* West. in Kl. Herb. myc. II. n. 566.

187. **Septoria Hoyæ** Sacc. Mycoth. Ven. n. 1016. Maculis forma variis arescendo eburneis, fusco-cinctis; peritheciis lenticularibus, pertusis, diam. 60–70, contextu parenchymatico, fuligineo; spermatiis cylindraceis v. clavulatis, 20–25 × 1–1¾, continuis v. obsolete septatis, hyalinis.

Hab. in foliis Hoyæ carnosæ *a Padova* in hortis, Julio 1876.

188. **Septoria Hederæ** Dmz. Sacc. Mycol. Ven. p. 197. — M. V. n. 1010.

Obs. Spermatia flexuosa, 34–40 × 1–2, guttulata, hyalina. — Alia species ab ipso Desmazieres eodem nomine « *Sept. Hederæ* » donata (Notic. XVII p. 23) ab hac statim dignoscitur defectu macularum spermatiisque arcte curvatis, clavulatis 20 lgs. Hæc *Septoria Desmazierii* dici potest. – *Septoria Hederæ* Cooke F. B. n. 34 est *Phyllosticta hedericola.*

189. **Septoria stemmatea** (Fr.) Bk., Sacc. Myc. Ven. p. 197.

Obs. Spermatia nondum reperire licuit, sed nucleum (ascigerum?) immaturum.

190. **Septoria Rubi** (Duby) West., Sacc. Fungi Ven. II. 300 et M. V. n. 538. – *Depazea Rubi* Op., Thüm. F. Austr. n. 1270.

Hab. in foliis Rubi fruticosi, cæsii et idæi in toto agro Veneto.

Obs. Spermatia filiformia, tortuosa, 55 × 1½–2, 3-pluri-septata, hyalina. An huc vere *S. Rubi* West. spectet dubitandum, nam auctor spermatia 10–20 tantum longa describit. *Spilosphæria Ruborum* Rabh. mihi fere ignota est. – *Depazea areolata* in Thüm. Myc. Univ. n. 296 et *Sept. Rubi* B. & C. (Grev. III. p. 8) vix differunt.

191. **Septoria Evonymi** Rabh., Sacc. Mycol Ven. p. 196.

Obs. Spermatia filiformia lenissime curvula, 20–25 × 1½, parce obsoleteque septata, hyalina.

192. **Septoria Rhamni cathartici** Ces., Sacc. Mycol. Ven. 196 et M. V. n. 316.

Obs. Spermatia cylindracea, vehementer curvata, 40–50 × $1^1/_2$–2, 2–4-septata hyalina. Forma in Rhamno saxatili (Sacc. M. V. n. 546) præbet spermatia cylindraceo-clavulata, 40–50 × 3, pluriguttulata, hyalina.

193. **Septoria Zizyphi** Sacc. Maculis arescendo albicantibus v. pallide ochraceis, fusco-marginatis, angulosis; peritheciis sparsis lenticularibus, punctiformibus, pertusis; spermatiis filiformibus, 15 × 1, leviter curvis, hyalinis.

Hab. in pag. super. foliorum Zizyphi vulgaris *a Selva*, Aug. 1873.

194. **Septoria Emeri** Sacc. Maculis arescendo dealbatis, fusco-cinctis, variis; peritheciis paucis punctiformibus, lenticularibus, pertusis; spermatiis filiformibus, utrinque acutatis, curvulis, 20 × $^3/_1$, continuis, hyalinis.

Hab. in foliis Coronillæ Emeri in sylva *Montello*, Sept. 1873.

195. **Septoria Grossulariæ** (Lib. sub *Ascochyta*) West. Sacc. Fungi Ven. V. 207.

Obs. Spermatia bacillaria, curvula, 12–16 × 1, minute 6–7-guttulata, hyalina. Perithecia poro amplo pertusa.

196. **Septoria Hibisci** Sacc. Maculis arescendo dealbatis, fusco-cinctis, subcircularibus, irregularibusque; peritheciis punctiformibus, lenticularibus 50–60 micr. diam., poro latiusculo pertusis; spermatiis bacillaribus leniter curvatis, 15–20 × 2–$2^1/_4$, continuis, hyalinis.

Hab. in pag. sup. foliorum Hibisci syriaci *a Vittorio*, Oct. 1874, raro.

197. **Septoria Citri** Pass. in Mycoth. Univ. n. 495 et Fung. Europ. n. 2257.

Hab. in foliis languentibus dejectisve Citri, Patavii, Aut. 1876. — E *Pommiers* (*Rhône*) misit M. Gandoger.

Obs. Maculæ obsolete expallantes fusco-cinctæ, versiformes. Perithecia gregaria, punctiformia, 80–100 micr. diam. Spermatia bacillaria, inæqualia, curvula, 15 × $1^1/_2$–2 obsolete guttulata, hyalina.

198. **Septoria Viburni** West., Cooke Hndb. p. 446, Sacc. Mycol. Ven. p. 197,

Obs. Spermatia cylindracea, utrinque obtusa, 5–7 guttulata, hyalina.

199. **Septoria quercina** Dmz. Not. XIV. p. 25 (1847).

Hab. in foliis Quercus pedunculatæ in sylva *Montello* et *a Conegliano*, Aut. 1876.

Obs. Spermatia filiformia, curvula, 40 × $1^1/_2$–2, pluriguttulata, hyalina.

200. **Septoria quercicola** Dmz. Not, XXI. (ut var. *S. inconditæ*), Kx. Fland I. 422.

Hab. in foliis Quercus pedunculatæ *a Susigana,* Oct. 1876 (Spegazzini).

Obs. Maculæ variæ, arescendo candicantes. Spermatia cylindracea, curvula, utrinque rotundata, 25–30 × 3–4, 3–septata, non constricta, hyalina. Spermatia *Sept. inconditæ* (= *S. castanicolæ* Dmz.), sed maculæ diversæ.

§§ Ramulicolæ

201. **Septoria Caprifolii** Sacc. Maculis indeterminatis, expallentibus, cladogenis; peritheciis punctiformibus, initio epidermide velatis; spermatiis filiformibus utrinque attenuatis, 35 × $1^3/_4$, obsolete septatis, hyalinis.

Hab. in sarmentis nondum emortuis Loniceræ Caprifolii in sylva *Montello,* Apr. 1874.

202. **Septoria imperialis** Sacc. Maculis cladogenis, oblongis, expallentibus; peritheciis gregariis, punctiformibus, sublenticularibus, e globoso depressis, 30 diam., ostiolo lato pertusis, contextu parenchymatico fuligineo; spermatiis cylindraceis utrinque acutiusculis, curvatis, 16–18 × 2, continuis, hyalinis.

Hab. in ramulis Paulowniæ imperialis a *Conegliano*, Junio 1876.

203. **Septoria? persica** Sacc. M. V. n. 1097. Maculis nullis v. expallentibus indeterminatis, cladogenis; peritheciis oblongo-lenticularibus inæqualibus, gregariis, tectis dein prominulis, minutis, atris, pertusis, hyphis filiformibus conidiophoris cinctis; conidiis in hypharum apice acrogenis ovoideis, 10 × 4, 2–guttulatis, hyalinis; spermatiis fusoideis, sæpe curvulis 1– (rarius 2–3–) septatis, ad septa constrictis, 13–18 × 2-$2^1/_2$, hyalinis.

Hab. in ramulis junioribus (quos enecat?) Persicæ vulgaris *a Padova,* Majo 1876.

Obs. Hyphis conidiophoris extantibus, an status *Capnodii Persicæ* Turp.?

204. **Septoria phomatoides** Sacc. Maculis expallentibus, indeterminatis, cladogenis; peritheciis hinc inde gregariis, subtectis, e globoso lenticularibus, 100 micr. diam., pertusis; spermatiis bacillaribus rectis curvulisve, utrinque obtusis, 15–25 × 1–1½, pluriguttulatis hyalinis.

Hab. in ramulis Genistæ tinctoriæ in sylva *Montello*, Sept. 1876.

205. **Septoria pithyophila** Sacc, Maculis albicantibus v. obsoletis; peritheciis sparsis minutissimis erumpenti-superficialibus e globoso angulosis, atronitidis, denique collapsis; spermatiis bacillari-fusoideis, falcatis, 30 × 3–4, pluriguttulatis, hyalinis, sterigmatibus filiformibus, 30 × 1, fultis.

Hab. in cortice ramorum Abietis *a Conegliano*, Apr. 1876 (Spegazzini).

B. Species maculas ochraceas, fuscas v. rufas efficientes.

206. **Septoria Mori** Lév., Sacc., M.V. n. 319 et Mycol. Ven. p. 209.

Obs. Spermatia cylindrica, curvula, sursum attenuata utrinque obtusiuscula, 40–50 × 4, 3–septata guttulataque hyalina, basidiis brevibus variis fulta. Ad *Fusarium* quoque vergit, quod jam monuit cl. A. Bèrenger.

207. **Septoria moricola** Pass. in Thüm. Mycoth. Univ. n. 394.

Hab. in foliis Mori albæ Patavii, *in Cadore* &c., Aut. 1874–76.

Obs. An sit forma hypophylla sparsa *Sept. Mori* Lév. valde dubito; fructificatio certe eadem in utraque forma.

208. **Septoria Ulmi** Fr., Sacc. Mycol. Ven. 144 et M. V. n. 545.

Obs. Spermatia botuliformia, 55 × 6, initio guttulata, dein 4–septata.

209. **Septoria castanicola** Dmz., Sacc. Mycol. Ven. 95 et M. V. n. 312.

Obs. Spermatia cylindracea, utrinque obtusiuscula,

curvula, 30–40 × 4½, 3–septata, hyalina, in cirrhos sordidos protrusa. Perithecia pertusa, 60–70 micr. diam.

210. **Septoria Æsculi** (Lib.) West., Kx. Fl. I. 431.

Hab. in foliis Æsculi in toto agro Veneto, Aut. 1877.

Obs. Maculæ variæ, arescendo rufescentes; spermatia bacillari-fusoidea, curvula, 50–60 × 3–3½, utrinque obtusiuscula, 3–4–septata, hyalina. *Sept. Hippocastani* B. & Br., Cooke Hndb. p. 443 huc quoque verisimiliter spectat.

211. **Septoria Oxyacanthæ** Kze., Sacc. Mycol. Ven. p. 196 et M. V. n. 536.

Obs. Spermatia bacillaria, deorsum subincrassata, 70–80 × 6–8, initio granulosa, dein 6–8–septata, hyalina.

212. **Septoria Rosæ** Dmz., Sacc. M. V. n. 1018.

Hab. in foliis Rosæ caninæ in sylva *Montello,* Sept. 1876.

Obs. Maculæ fuscæ, flavo-rubro-cinctæ; spermatia aciculari-clavulata, 70–90 × 3½–4, nubilosa, hyalina.

213. **Septoria Rosæ arvensis** Sacc. M. V. n. 1019.

Hab. in foliis Rosæ arvensis in sylva *Montello,* Sept. 1876.

Obs. Maculæ pallidiores, fusco-cinctæ; spermatia acicularia, 50–60 × 2½–3, obsolete 4–5–septata, hyalina. Affinis præcedenti; an differentiæ ex ætate?

214. **Septoria Calycanthi** Sacc. & Sp. Maculis arescendo subochraceis; peritheciis punctiformibus, dense gregariis, quandoque subconcentrice digestis, amphigenis, 100–150 micr. diam.; spermatiis cylindraceis, utrinque leniter attenuatis, 15–25 × 1½–2¼, medio 1–septatis raroque subconstrictis, rectis curvulisve, hyalinis.

Hab. in foliis languentibus Calycanthi floridi *a Conegliano,* Dec. 1876 (Spegazzini).

215. **Septoria Syringæ** Sacc. & Sp. Maculis amphigenis versiformibus, dilute ochraceo-lutescentibus, saturatius marginatis; peritheciis sparsis punctiformibus, lenticularibus 100–120 micr. diam., latiuscule pertusis, contextu laxe parenchymatico subochraceo; spermatis cylindraceo-bacillaribus, 14–18 × 2½, utrinque rotundatis, rectis curvulisve, obsolete 1–septatis, hyalinis.

Hab. in foliis Syringæ vulgaris *a Conegliano,* Oct. 1877 (Spegazzini).

Obs. Forte huc spectat *Sept. Syringæ* West. «Les Crypt. d'après leurs stations» pag. 68 (nomen), sed diagnosim v. exemplar nullibi reperire potui.

216. **Septoria Leycesteriæ** Sacc. & Sp. Maculis subcircularibus sinuosisque, ochraceis, brunneo-cinctis; peritheciis laxe gregariis, amphigenis, punctiformibus, lenticularibus 100–200 micr. diam. pertusis, contextu tenui-membranaceo, celluloso, dilute olivaceo; spermatiis cylindraceis, curvulis, 25–30 × 3–4, 1-septatis, quandoque constrictis, obsolete 2–4-guttulatis, hyalinis.

Hab. in foliis Leycesteriæ formosæ *a Conegliano,* Oct. 1877 (Spegazzini).

217. **Septoria Alni** Sacc. Maculis subcircularibus, arescendo ochraceis, epiphyllis; peritheciis sparsis, punctiformibus; spermatiis bacillaribus, subclavulatisve, 30–35 × $1^1/_2$–$2^1/_2$, remote guttulatis, hyalinis.

Hab. in foliis languidis Alni glutinosæ *a Conegliano,* Junio 1876 (Spegazzini).

218. **Septoria Betulæ** (Lib.) West., *Ascochyta Betulæ* Lib.

Hab. in foliis Betulæ albæ *a Conegliano,* Oct. 1876. (Spegazzini).

Obs. Maculæ amphigenæ, subcirculares, minutæ, pallide ochraceæ; spermatia bacillaria, curvula, 30–34 × $1^1/_2$, utrinque obtusiuscula, hyalina.

219. **Septoria Mespili** Sacc. Maculis arescendo subochraceis, rufocinctis, variis; peritheciis punctiformibus; spermatiis bacillaribus curvulis, 30–35 × 1, continuis, hyalinis.

Hab. in pag. sup. foliorum Mespili germanicæ *a Cusignana* (Treviso), Aug. 1876, socia *Phyllosticta Mespili* Sacc.

220. **Septoria Orni** Pass. in Myc. Univ. n. 395. — *Sept. Fraxini* f. *Orni* Sacc. M. V. n. 532.

Obs. Maculæ epiphyllæ fusco-ochraceæ. Spermatia filiformia curvula v. flexuosa, sæpius clavulata, 25–30 × $1^1/_2$, remote et obsolete guttulato-septulata, hyalina.

221. **Septoria Berberidis** Niessl. – Sacc. M.V. n. 1015. Maculis arescendo fuscidulis, zona atropurpurea cinctis, subcircularibus, epiphyllis; peritheciis aggregatis e globoso lenticularibus, poro pertusis; spermatiis filiformi-clavatis, hinc acutis, illinc obtusis, 45 × $2^1/_2$, pluri-guttulatis, hyalinis.

Hab. in foliis Berberidis vulgaris *a Conegliano,* Jun. 1876 (Spegazzini).

222. **Septoria Cratægi** Kx., Sacc. M. V. n. 537, et Fungi Veneti Ser. V. 206.

Obs. Spermatia filiformia, acicularia curvula, 60 × $1^1/_2$, obsolete septata, hyalina.

223. **Septoria ascochytoides** Sacc. Maculis subcircularibus, oblongisve, arescendo dilute ochraceo-fulvescentibus, atrosanguineo-marginatis; peritheciis epiphyllis gregariis, lenticularibus, punctiformibus, distincte pertusis, ochraceis; spermatiis cylindraceis v. subfusoideis, 18–20 × $2^1/_2$–3, 1–septatis, ad septum leniter constrictis, utrinque obtusiusculis, minute 4–guttulatis, hyalinis.

Hab. in foliis Spirææ decumbentis *a Covolo,* Aug. 1874.

224. **Septoria cornicola** (DC.) Kickx, Sacc. M. V. n. 314. *S. Corni* Niessl.

Obs. Spermatia cylindracea, curvula, 35–40 × 2–$2^1/_2$, obsolete 2–4-septata, hyalina.

225. **Septoria Corni maris** Sacc. Maculis amplis, irregularibus, sæpe marginalibus, fuscis, zona saturatiore cinctis; peritheciis punctiformibus, lenticularibus pertusis; spermatiis bacillaribus, curvulis 15–30 × $1^3/_4$–3, utrinque obtusis, initio pluriguttulatis, dein 3–4–septatis, hyalinis, in cirrhos albidos protrusis.

Hab. in pag. sup. foliorum Corni maris *a Colfosco,* Sept. 1876.

226. **Septoria argyræa** Sacc. Fungi novi Magnusiani p. 127, n. 32.

Obs. Spermatia filiformia, recta v. tortuosa, utrinque obtusiuscula, 20–30 × $2^1/_2$–3, continua, hyalina, dein in cirrhos carneos protrusa.

227. **Septoria elæospora** Sacc. Maculis vagis arescendo

ochraceis v. brunneis margine saturatiore cinctis; peritheciis epiphyllis, sparsis, innato-prominulis, punctiformibus, lenticularibus, 100 micr. diam. pertusis, laxe cellulosis, ochraceo-fuligineis; spermatiis bacillari-fusoideis, rectis v. leniter curvulis, 25 × 3, utrinque obtusiusculis, 3– (raro 4–) septatis e hyalino olivaceis.

Hab. in pag. super. foliorum Fraxini Orni *a Selva*, Sept. 1877.

Obs. A *Sept. Orni* Pass. et *S. Fraxini* Fr. rite diversa.

C. Species maculas nullas v. obsoletas efficientes.

228. **Septoria alnigena** Sacc. Maculis nullis; peritheciis punctiformibus hinc inde densiuscule congregatis, lenticularibus, atris; spermatiis breve filiformibus, curvulis, utrinque acutiusculis, 20 × $^3/_4$, continuis hyalinis.

Hab. in pag. sup. foliorum vigentium Alni glutinosæ *a Vittorio.* Oct. 1873.

Obs. A *Sept. alnicola* Cooke Hndb. p. 451 spermatiis filiformibus nec oblongis distinguenda – *Sep. alnicola* in Thüm. M.U. n. 693 aptius ad *S. Alni* Sacc. pertinere videtur.

229. **Septoria? Celtidis** Sacc. Mycoth. Ven. n. 552 et Fungi Ven. Ser. V. 204.

Obs. Spermatia cylindraceo-clavulata, curvula, 40 × 3, 3–5–septata, guttulataque e hyalino fuscidula, parca.

230. **Septoria hyalospora** (M. & Ces.) Sacc. Fungi Ven. V. 204 et M.V. n. 551. *Cryptosporium hyalosporum* M. & Ces. in Syll. 273.

Obs. Spermatia cylindracea, curvata 30 × 3$^1/_2$, 1–septata, hyalina.

231. **Septoria Catalpæ** Sacc. Maculis nullis v. obsoletis; peritheciis punctiformibus, hinc inde maculiformiter dense congregatis, lenticularibus, 60–70 micr. diam., atris, pertusis; spermatiis bacillaribus, 10–15 × 1$^1/_2$, curvulis, utrinque obtusiusculis, continuis, eguttulatis, hyalinis.

Hab. in capsulis Catalpæ syringifoliæ *a Conegliano*, Apr. 1876. (Spegazzini).

232. **Septoria Bumeliæ** Sacc. Maculis nullis v. obsoletis; peritheciis plerumque hypophyllis, hinc inde maculiformiter dense congregatis, globoso-lenticularibus, prominulis 70–100 micr. diam., pertusis; spermatiis fusoideo-bacillaribus, 10–15 × $1^1/_4$–2, rectis curvulisve, 2–nucleatis (simulate 1–septatis) hyalinis.

Hab. in foliis languidis Bumeliæ lycioidis in Horto Patavino, vere 1875.

Obs. Ad genus *Ascochytam* nutat.

233. **Septoria rhamnigena** Sacc. Maculis nullis; peritheciis hypophyllis, hinc inde dense gregariis, punctiformibus, prominulis, nigris; contextu parenchymatico fuligineo; spermatiis bacillaribus, 20–25 × $1^1/_2$–2, utrinque rotundatis, curvulis, obsolete guttulatis, hyalinis.

Hab. in foliis Rhamni cathartici *a Coneglia-no*, Oct. 1876 (Spegazzini).

Obs. A *Sept. Rahmni cathartici* Ces. longe diversa.

** Herbicolæ.

A. Maculas albas v. griseas efficientes.

234. **Septoria Convolvuli** Dmz., Sacc. Mycol. Ven. 196. M.V. n. 315 et 1008.

Obs. In forma C. arvensis spermatia 35–50 × 1–$1^1/_2$, acicularia minutissime 5–6–guttulata, v. septulata hyalina; in forma Calystegiæ (*Sept. Calystegiæ* Sacc. Mycol. Ven. p. 196 et M.V. n. 315 *non* West.) spermatia 35–40 × 1–$1^1/_2$, continua, hyalina, utrinque obtusiuscula.

235. **Septoria Sii** Dmz., Sacc. Mycol. Ven. p. 196.

Obs. Duas formas observavi: *foliicolam* spermatiis filiformibus, curvulis, 30 × $1^1/_2$, continuis, eguttulatis; et *caulicolam* peritheciis perfectioribus, spermatiis 40 × 2, 7–8–guttulatis. Species Desmazierii (Not. XXI p. 8) in Sio latifolio, potius congruit cum mea forma caulicola.

236. **Septoria Lamii** (Dmz. ut var. *S. heterochroæ*) Sacc. M.V n. 544.

Obs. Maculæ tandem albicantes rufo-marginatæ;

spermatia filiformia tortuosa, 50 × 1, distincte 3–5–septata, hyalina. A *S. heterochroa* Dmz. typica differt spermatiis duplo triplove longioribus atque distincte septatis.

237. **Septoria Dulcamaræ** Dmz., Sacc. Mycol. Ven. p. 196 et M.V. Cent. XII.

Obs. Spermatia filiformia, curvula, 50–60 × $1^3/_4$. 3–4–septata, hyalina. Maculæ foliorum diu fuscæ, tandem expallescunt.

238. **Septoria Astragali** Dmz., Sacc. Mycol. Ven. 196 et M.V. n. 1005.

Obs. Spermatia filiformia, tortuosa, prælonga, 120 × 3, 9–10–septata, hyalina. Affinis *Septoriæ Cytisi* Dmz.

239. **Septoria Chelidonii** Dmz., Sacc. Mycoth. Ven. n. 539 et Fungi Ven. Ser. V. 206.

Obs. Spermatia filiformi-bacillaria, 20–30 × $1^1/_2$, curvula, continua, hyalina.

240. **Septoria Hepaticæ** Dmz., Sacc. Mycol. Ven. 196 – (Lecta quoque *a Conegliano* a Spegazzini).

Obs. Spermatia filiformia flexuosa, subcontinua, 25–30 × $^3/_4$, guttulata, hyalina.

241. **Septoria scabiosicola** Dmz., Sacc. Mycol. Ven. 195 et M.V. n. 534-535.

Obs. Spermatia filiformia, rectiuscula, 50 × $^3/_4$–1, parce et obsolete septata, hyalina.

242. **Septoria Tormentillæ** West., Sacc. Mycol. Ven. 197 et M.V. n. 549 p. p. (forma *Potentillæ reptantis*). *S. sparsa* Sacc. Myc. Ven. 195, an Fckl.

Obs. Spermatia filiformia, tenuissime flexuosa, continua, hyalina.

243. **Septoria Vincetoxici** (Schub.) Awd., Sacc. M.V. n. 541 et F. V. Ser. V. p. 206.

Obs. Spermatia filiformia, tortuosa, 30–50 × 1–$1^1/_2$, continua, hyalina.

244. **Septoria Senecionis** West., Sacc. Mycol. Ven. p. 197, M.V. n. 318.

Obs. Spermatia filiformia, tortuosa, 40 × $1^1/_2$, obsolete 3–4–septata, hyalina.

245. **Septoria Asari** Sacc. Maculis epiphyllis e rotundo

angulosis arescendo dealbatis, nigro-cinctis; peritheciis parcis punctiformibus atris; spermatiis cylindraceo-fusoideis, 14–1¾, lenissime curvis, continuis v. 1–septatis, hyalinis.

Hab. in foliis Asari europæi in sylva *Montello*, Aug. 1873.

Obs. Spermatia breviuscula; a genere ergo paululum desciscit.

246. **Septoria bellidicola** Rob. et Dmz. Not. XXI. p. 7.

Hab. in pagina superiore foliorum Bellidis perennis *a Conegliano*, Oct. 1876 (Spegazzini).

Obs. Maculæ albæ rufo-marginatæ. Spermatia filiformia, obsolete septulata, 80–100 × 2–2½, hyalina.

247. **Septoria Mellitidis** Sacc. & Sp. Maculis vagis arescendo dealbatis, fuligineo-cinctis; peritheciis epiphyllis, punctiformibus, subprominulis, pertusis; spermatiis cylindraceo-bacillaribus, rectiusculis, 20–30 × 2, distincte 3–septatis, hyalinis.

Hab. in foliis Mellitidis Melissophylli *a Conegliano*, Oct. 1876 (Spegazzini).

248. **Septoria Stellariæ** Rob. et Dmz. Not. XIV. p. 22.

Hab. in foliis languidis Stellariæ mediæ Patavii, Nov. 1876 (G. Bizzozero).

Obs. Spermatia bacillaria curvula, 50–60 × 1, indistincte septulata, hyalina.

249. **Septoria Petroselini** Dmz., Kx Flandr. I. 424. Sacc. M.V. n. 543 et Fungi Veneti Ser. V. 206.

Hab. in foliis Petroselini sativi *a Selva, Padova*, etc. Aut. 1875-76.

Obs. Spermatia filiformia, rectiuscula, 40 × 2, pluriguttulata, hyalina.

250. **Septoria Verbenæ** Rob. & Dmz. Ann. Sc. nat. 1847. VIII. 22, Sacc. M.V. n. 1004.

Hab. in foliis Verbenæ officinalis languidis *a Susigana* (Treviso), Sept. 1876 (Spegazzini).

Obs. Spermatia bacillaria, rectiuscula v. tortuosa, 35–40 × 1½, minute guttulata, hyalina.

251. **Septoria Globulariæ** Sacc. M.V. n. 1020. Maculis arescendo griseo-albicantibus, subcircularibus, epiphyllis;

peritheciis parcis, lenticularibus, 50–60 micr. diam., pertusis, dein subsuperficialibus; spermatiis filiformibus, 20–24 × $^3/_4$–1, rectis curvulisve, obsolete guttulatis, hyalinis.

Hab. in foliis Globulariæ vulgaris *a Conegliano*, Aug. 1876 (Spegazzini).

252. **Septoria Clematidis rectæ** Sacc. M.V. n. 321 et Fungi Ven. V. 205.

Obs. Spermatia crassiuscule vermicularia, 38–40 × 3–3$^1/_2$, 3-septata, hyalina.

253. **Septoria Cucurbitacearum** Sacc. M.V. n. 317 et Fungi Ven. V. 205.

Obs. Spermatia anguste vermicularia, tortuosa, 60–70 × 1, septulata, hyalina.

254. **Septoria Bidentis** Sacc. M.V. n. 311 et Fungi Veneti V. 205.

Obs. Spermatia vermicularia 30–35 × 1–1$^1/_2$, indistincte septulata, hyalina. An huc spectet *Depazea Bidentis* Lasch in Kl. Herb. M. n. 871, ignoro.

255. **Septoria Polygonorum** Dmz., Sacc. M.V. n. 310 et 542 et Fungi Veneti Ser. V. 205. (Lecta forma simillima in Polygono Bistorta in Horto Patavino).

Obs. Spermatia filiformia 25 × 1, leniter flexuosa, 4–5–guttulata, hyalina.

256. **Septoria Eupatorii** Rob. & Dmz., Sacc. M.V. n. 553 et Fungi Ven. V. 205.

Obs. Spermatia filiformia, 25–35 × 1$^1/_2$, obsolete guttulata, hyalina.

257. **Septoria Violæ** West., Kx Flandr. I. 434, Sacc. Myc. Ven. 196.

Obs. Spermatia filiformia recta v. flexuosa, obsolete guttulata, hyalina.

258. **Septoria Chenopodii** West. Fl. Bat. 103, Sacc Myc. Ven. p. 196.

Obs. Spermatia cylindrica recta v. curvula utrinque obtusa, 6–10–guttulata, hyalina.

259. **Septoria Sonchi** Sacc. Maculis oblongis viridi-griseis, obsoletis, cladogenis, rarius hypo– et epiphyllis; peritheciis remotiuscule gregariis, lenticularibus innato-pro-

minulis, 110 micr. diam., late pertusis; contextu laxiuscule cellulari, subochraceo; spermatiis cylindraceo-bacillaribus, sæpe flexuosis, utrinque obtusiusculis, 20–24 × $1^1/_2$–2, minute pluriguttulatis, hyalinis.

Hab. in caulibus foliisque nondum emortuis Sonchi oleracei *a Conegliano*, Aug. (Spegazzini).

Obs. A *Septoria nebulosa* var. *minore* Dmz. XXI. Not. p. 6 differt præcipue peritheciis majoribus, remotioribus, melleis nec nigris.

260. **Septoria Phlocis** Sacc. & Sp. Maculis subcircularibus minutis albis, late fuligineo-rufo-marginatis; peritheciis sparsis paucis, punctiformibus, lenticularibus, 150–200 micr. diam., pertusis, laxe ochraceo-parenchymaticis; spermatiis, bacillaribus, flexuosis, 40–60 × 1–2, tenuiter 1–3-septatis, hyalinis.

Hab. in foliis Phlocis paniculatæ *a Conegliano*, Oct. 1877 (Spegazzini).

261. **Septoria Teucrii** Sacc. Maculis subcircularibus, parvis, arescendo candicantibus, fusco marginatis; peritheciis epiphyllis, lenticularibus, punctiformibus, 90 micr. diam., pertusis; spermatiis bacillaribus, curvulis, utrinque obtusiusculis, 35 × 2, obsolete pluriguttulatis, hyalinis.

Hab. in foliis Teucrii Chamædryos *a Conegliano*, æst. 1876 (Spegazzini).

262. **Septoria Lapparum** Sacc. Maculis epiphyllis e circulari angulosis, minutis, initio fuligineis, tandem candicantibus; peritheciis sparsis, lenticularibus, 80–100 micr. diam., punctiformibus, pertusis; spermatiis bacillaribus, curvatis, 25 × 1–$1^1/_4$, continuis, hyalinis.

Hab. in foliis Lappæ minoris *a Selva*, Sept. 1875.

263. **Septoria Phyteumatis** Siegm. in Rabh. F. E. n. 1350 (non vidi).

Hab. in foliis Phyteumatum *in Cadore*, æstate 1874 (S. Venzo).

Obs. Maculæ versiformes, arescendo expallentes, fusco-marginatæ. Perithecia sparsa punctiformia. Spermatia filiformia, rectiuscula v. flexuosa, 15–20 × $^3/_1$, continua, hyalina.

264. **Septoria ægopodina** Sacc. Maculis epiphyllis, minutissimis, angulosis arescendo dealbatis, rufo-marginatis; peritheciis sparsis punctiformibus, lenticularibus, 70 micr. diam., pertusis; spermatiis filiformibus, exilibus, 25 × $1^1/_4$, leniter curvis, minute pluri-guttulatis, hyalinis.

Hab. in foliis Ægopodii Podagrariæ in sylva *Montello*, Sept. 1875-77.

Obs. Cum *Septoria Podagrariæ* Lasch (= *S. Ægopodii* Dmz.) nec non cum ejus varietate β *Rabenhorstii* Kx. Flandr. I. 427 hæc species nil commune habet.

B. Species maculas ochraceas, fuscas v. rufas efficientes.

265. **Septoria Capparidis** Sacc. Maculis amphigenis e circulari angulosis arescendo pallide ochraceis, quandoque elevatis; peritheciis gregariis punctiformibus, atris, globoso-lenticularibus 40–50 micr. diam. poro obsoleto; spermatiis filiformi-bacillaribus, 15–20 × $1–1^1/_2$, fasciculatis, rectis, curvulis v. tortuosis, sæpe minute guttulatis, hyalinis.

Hab. in foliis Capparidis rupestris una cum *Cystopo Capparidis*, *a Montorio* (Verona), Oct. 1876 (A. Goiran).

266. **Septoria Gratiolæ** Sacc. & Sp. Maculis versiformibus, arescendo fulventibus, margine concolori; peritheciis epiphyllis punctiformibus, lenticularibus, prominulis, 80–100 micr. diam., pertusis; contextu parenchymatico-sinuoso, circa ostiolum densiore; spermatiis bacillaribus, curvulis, 20–22 × 1, obsolete guttulatis, hyalinis.

Hab. in foliis Gratiolæ officinalis *a Conegliano*, Oct. 1877 (Spegazzini).

267. **Septoria Epilobii** West., Cooke Hndb. p. 448. Sacc. Myc. Ven. pag. 195.

Obs. Spermatia filiformia, curvula, 50 × $1^1/_2$, parce obsoleteque septata, hyalina.

268. **Septoria sepium** Dmz. XXI Not. (1853) pag. 4.

Hab. in foliis Convolvuli arvensis *a Padova*, Iunio 1876.

Obs. I. Maculæ parvæ subrotundæ, brunneæ, leniter elevatæ, stroma quodam fere simulantes; spermatia cylindracea curvula, 30–35 × 4, utrinque rotundatæ, 3–5–septata, pluriguttulata, hyalina.

Obs. II. Verisimillime huc quoque spectat *Septoria Calystegiæ* West (1851) seu *Polystigma Calystegiæ* Kx, quod est *Polystigma pertusarioides* Dmz. – *Septoria Calystegiæ* Sacc. M.V. n. 315, ut jam monui, ad *Sept. Convolvuli* Dmz. pertinet.

269. **Septoria Œnotheræ** (Lasch) West., Sacc. M. V. n. 309 — *Depazea Œnotheræ* Lasch, Sacc. Mycol. Ven. pag. 192.

Obs. Spermatia filiformia, curvula, 40 × $1^1/_2$, minute pluriguttulata, hyalina.

270. **Septoria Lysimachiæ** West., Cooke Hndb. p. 450. Myc. Ven. p. 197.

Obs. Spermatia filiformia, lenissime curvula, 50 × $1^1/_2$, 4–6–septata hyalina.

271. **Septoria Ebuli** Rob. et Dmz. Sacc. M. V. n. 1013. *Ascochyta Ebuli* Fckl., Sacc. Mycol. Ven. p. 194.

Obs. Spermatia filiformia, lenissime curvula, 35–40 × $1^1/_4$–$1^1/_2$, obsolete guttulata, hyalina.

272. **Septoria Clematidis** Rob. et Dmz., Sacc. Mycol. Ven. 196., M. V. n. 1011.

Obs. Maculæ griseo-fuscæ; spermatia bacillaria, 70–80 × 4, utrinque obtusiuscula, quandoque subclavulata, leniter curva, 4–6–septata, hyalina. — *Sept. Clematidis* Cooke F. B. n. 33 est potius *Phyllosticta.*

273. **Septoria Virgaureæ** Dmz., Sacc. M. V. n. 1006 et Fungi Ven. Ser. V. 207. *Ascochyta Virgaureæ* Lib.

Obs. Spermatia filiformia, curvula, utrinque obtusiuscula, 80 × $1^1/_2$, obsolete guttulata, continua, hyalina.

274. **Septoria Saponariæ** (DC.) Savi & Becc. Erb. cr. ital. n. 882. Sacc. M. V. n. 223 et Fungi Ven. Ser. V. 205. *Septoria Dianthi β Saponariæ* Dmz., *Spilosphæria* Rabh., *Depazea Saponariæ* DC.

Obs. Spermatia cylindracea, curvula, 40 × $3^1/_2$, utrinque obtusa, 4–5–nucleata, hyalina.

275. **Septoria Dianthi** Desm., Kx. Flandr. I. 422.

Hab. in foliis Dianthi barbati in sylva *Montello*, Sept. 1877.

Obs. Spermatia bacillaria, flexuosa, 35–45 × 4, utrinque obtusa, hyalina.

276. **Septoria Lychnidis** (Lasch) Dmz., Kl. Herb. Myc. 1863, Sacc. Myc. Ven. p. 196.

Obs. Perithecia globoso-lenticularia, late pertusa; spermatia cylindrico-bacillaria, utrinque obtusiuscula, 40–60 × $2^1/_2$–3, curvula, 5–6–septata, hyalina.

277 **Septoria Gei** Rob. & Dmz., Sacc. Fungi Ven. Ser. V. 207.

Obs. Spermatia filiformia utrinque acuta, 30 × $1^1/_2$, continua, hyalina; maculæ subcirculares, ochracæ, fusco-marginatæ.

278. **Septoria orobina** Sacc. Maculis irregularibus arescendo subochraceis, atrocinctis; peritheciis remotis, punctiformibus, lenticularibus poro pertusis; spermatiis filiformibus, flexuosis, 30 × $^3/_4$, eguttulatis, hyalinis.

* **S. orobicola** Maculis et peritheciis similibus; spermatiis bacillaribus, 60–70 × 2–3, rectiusculis, utrinque obtusis, obsolete septulatis, hyalinis.

Hab. in foliis Orobi verni in sylva *Montello*, Sept. 1874 — Subspecies *a Conegliano*, Majo 1876 (Spegazzini).

Obs. Septoria Orobi Pass. in Rabh. F. E. n. 2256 (Aprili 1877) ad *Ascochytam Orobi* Sacc. M.V. n. 987 (Ian. 1877) pertinet.

279. **Septoria Armoraciæ** Sacc. Maculis irregularibus, arescendo ochraceis; peritheciis punctiformibus, in centro maculæ aggregatis, diam. 60 micr., poro pertusis; spermatiis bacillaribus, curvulis, 15–20 × 2–$2^1/_2$, utrinque obtusiusculis, 1–3–septatis, minuteque guttulatis, hyalinis.

Hab. in foliis Armoraciæ rusticanæ *a Selva*, Sept. 1874.

Obs. Ascochyta Armoraciæ Fckl. Symb. 289 huc

forte spectat, sed ibi spermatia indescripta. Quo pertineat *Depazea vagans* f. *Armoraciæ* Rbh. Myc. 867 ignoro. *Ascochyta Armoraciæ* Cooke F. B. n. 32 est vera *Phyllosticta*.

280. **Septoria Pastinacæ** West., Sacc. Fungi Ven. Ser. V. 207. *v. mich. 2. p. 162*

Obs. Perithecia lenticularia 40 micr. diam., poro latiusculo pertusa; spermatia bacillaria curvula, 20 × $^3/_4$, continua, hyalina.

281. **Septoria Humuli** West., Kx. Flandr. I. 433, Sacc. M. V. n. 1001.

Hab. in foliis Humuli Lupuli *a Conegliano*, Iunio 1876 (Spegazzini).

Obs. Perithecia lentiformia 50–60 micr. diam.; spermatia filiformia, leniter flexuosa 25–35 × 1, utrinque obtusiuscula, eguttulata, hyalina.

282. **Septoria Urticæ** Dmz., Kx. Flandr. I. 426, Sacc. M. V. n. 1002.

Hab. in foliis Urticæ urentis *a Conegliano*, Iunio 1876 (Spegazzini).

Obs. Spermatia filiformia, curvula, 50 × 2, obsolete guttulata, hyalina.

283. **Septoria Cirsii** Niessl Mähr. Crypt. 36, Sacc. M.V. n. 1014.

Hab. in foliis Cirsii arvensis languidis Patavii, Majo 1876 et *a Selva*, Aug. 1876.

Obs. Maculæ subcirculares, griseo-fuscæ, nitidulæ; spermatia filiformi-clavulata, 40 × $1^1/_2$–2, pluriguttulata, hyalina.

284. **Septoria Pulmonariæ** Sacc. Maculis subcircularibus, atro-fuscis, quandoque concentrice subplicatis; peritheciis (spuriis?) punctiformibus, late pertusis, sparsis; spermatiis cylindraceis, vehementer curvatis, 30–32 × 2, utrinque obtusiusculis, pluriguttulatis, hyalinis.

Hab. in pag. superiore foliorum Pulmonariæ officinalis in sylva *Montello*, Aug. 1876.

285. **Septoria Geranii** Rob. et Dmz., Sacc. Fungi Ven. Ser. V. 205.

Hab. in foliis Geranii Robertiani in Euga-

neis et Geranii mollis *a Conegliano*, Martio et Sept. 1876.

Obs. Spermatia filiformia, 35–40 × 1, indistincte septulata, hyalina.

286. **Septoria compta** Sacc. Fungi Ital. tab. 89, Michelia I. 93.

Hab. in foliis Trifolii alpestris in sylva *Montello*, Oct. 1876.

Obs. Spermatia cylindracea, curvula, 20–25 × 5, utrinque obtusiuscula, 3–5-septata, ad septa constricta, hyalina denique in cirrhum albidum protrusa. Perithecia globulosa, immersa, ferruginea, late pertusa.

287. **Septoria Fragariæ** Dmz., Sacc. M. V. n. 548 p. p. et Fungi Ven. Ser. V. 206.

Obs. Spermatia cylindracea, utrinque obtusa, 3-septata, hyalina.

288. **Septoria Cheiranthi** Rob. & Dmz. XIV. Not. 20, Sacc. Myc. Ven. p. 195.

Obs. Spermatia filiformia, curvula, 25 × 1, 6–8-guttulata, hyalina.

289. **Septoria Ranunculacearum** Lév., Sacc. Myc. Ven. p. 197.

Obs. Spermatia filiformia, recta, v. curvula, utrinque acuta, 50–70 × $1^1/_2$, pluriguttulata, hyalina.

290. **Septoria Cyclaminis** Dur. & Mtgn. Syll. 279.

Hab. in foliis Cyclaminis europæi *a Susigana, Montello*, æst. 1877.

Obs. Spermatia filiformia, recta v. curvula, 25–30 × 1, obsolete septata, hyalina.

291. **Septoria Anemones** Dmz., Kx. Flandr. I. 426, Sacc. M. V. n. 1007.

Hab. in foliis Anemones trifoliæ *a Conegliano*, Majo 1876 (Spegazzini).

Obs. Spermatia filiformia recta v. curvula, obsolete guttulata, 20–22 × 1–$1^1/_4$, hyalina.

292. **Septoria anaxæa** Sacc. Maculis vagis epiphyllis ex ochraceo fuligineis, quandoque flavo-cinctis; peritheciis punctiformibus, globoso-lenticularibus, 80–90 micr. diam., pertusis; spermatiis bacillaribus, curvulis, utrinque ob-

tusiusculis, 50–70 × $3^1/_2$, minute pluriguttulatis, v. obsolete septatis, hyalinis.

Hab. in pag. sup. foliorum Senecionis præalti in sylva *Montello*, ad flumen Plavim, Sept. 1876.

293. **Septoria Fuckelii** Sacc. M. V. n. 1009, *Sept. Tussilaginis* Fckl. Symb. myc. App. II, 83, *non* West. *nec* Thüm. Fungi Austr. n. 1187.

Hab. in pagina superiore foliorum Tussilaginis Farfaræ in sylva *Montello*; Oct. 1876.

Obs. Maculæ fuligineæ, inæqualiter sanguineo-marginatæ; perithecia globoso-lenticularia, majuscula, pertusa; spermatia cylindraceo-clavulata, utrinque obtusa, 40–55 × 6–7, curvula, 4–5-septata, leniter constricta, obsolete guttulata, chlorino-hyalina.

294. **Septoria Inulæ** Sacc. & Sp. Maculis variis arescendo brunneo-rufescentibus; peritheciis centralibus punctiformibus 100-120 micr. diam., lenticularibus pertusis, laxiuscule fuligineo-contextis, spermatiis bacillaribus, 30–50 × 3–4, subflexuosis, utrinque rotundatis, obsolete 1-septatis, hyalinis.

Hab. in foliis Inulæ salicinæ *a Conegliano*, Oct. 1877 (Spegazzini).

295. **Septoria Cymbalariæ** Sacc. & Sp. Maculis subcircularibus fuscescentibus; peritheciis gregariis punctiformibus lenticularibus, late pertusis, contextu parenchymatico fuligineo solidiusculo; spermatiis filiformibus subflexuosis, 20–35 × $2^1/_2$–3, utrinque obtusiusculis, pluriguttulatis, obsolete septulatis, hyalinis,

Hab. in foliis Linariæ Cymbalariæ *a Conegliano*, Oct. 1877 (Spegazzini).

296. **Septoria Atriplicis** (Dmz.) Sacc. – *Phyllosticta Atriplicis* Dmz., Cooke F. B. II. n. 41 Maculis sordide ochraceis; peritheciis sparsis amphigenis, globoso-lenticularibus, 110 micr. diam., pertusis, spermatiis cylindraceis v. subfusoideis, 25–30 × $4^1/_2$–5, utrinque obtusiusculis, rectis v. leniter curvulis, 2–5-truncato-nucleatis, v. spurie 1–3-septatis, hyalinis.

Hab. in foliis Chenopodii speciei Lipsiæ (G. Winter in herb. Magnaguti).

297. **Septoria Leucanthemi** Sacc, & Sp. Maculis subcircularibus, sinuosisque, fuscescenti-ochraceis, denique areola centrali alba; peritheciis sparsis, punctiformibus, lenticularibus 200–300 micr. diam., latiuscule pertusis, contextu laxiuscule parenchymatico pallide fuligineo; spermatiis filiformibus, curvulis flexuosisve, 100–130 × 4–5, crassiuscule pluriguttulatis, obsolete septatis, hyalinis.

Hab. in foliis Chrysanthemi Leucanthemi *a Conegliano,* Oct. 1877 (Spegazzini).

298. **Septoria fulvescens** Sacc. Maculis amphigenis versiformibus, confluentibus, fulvo-melleis, margine sinuoso concolori; peritheciis amphigenis, globuloso-prominulis, punctiformibus, ochraceis; spermatiis bacillaribus, 50–60 × 3, dense fasciculatis, utrinque obtusiusculis, leniter curvatis, 3–5-septulatis, hyalinis.

Hab. in foliis Lathyri sylvestris in sylva *Montello,* Aug. 1873, species prædistincta et, ut videtur, rarissima.

C. Species maculas nullas v. obsoletas efficientes.

299. **Septoria succisicola** Sacc. Maculis indeterminatis obsoletis; peritheciis sparsis epiphyllis, punctiformibus, atris; spermatiis filiformibus, 20 × $^1/_2$, minute 5–6-guttulatis, hyalinis.

Hab. in pag. sup. foliorum nondum emortuorum Succisæ pratensis in sylva *Montello,* Aug. 1873.

Obs. A *Sept. scabiosicola* f. *Succisæ* Sacc. M. V. n. 535 toto cœlo diversa.

300. **Septoria Aristolochiæ** Sacc. Maculis nullis; peritheciis hypophyllis, gregariis, punctiformibus, lenticularibus, 40 micr. diam., anguste pertusis; spermatiis bacillari-clavulatis, curvulis, 15–20 × $1^3/_4$–2, eguttulatis, hyalinis.

Hab. in pag. inferiore foliorum Aristolochiæ Clematitis *a Conegliano,* Oct. 1876 (Spegazzini).

301. **Septoria dianthicola** Sacc. Maculis nullis; peritheciis hinc inde dense congregatis, punctiformibus, atris:

spermatiis bacillaribus, curvulis, 15–20 × 1, continuis eguttulatis, hyalinis.

Hab. in foliis Dianthi barbati in sylva *Montello*, Sept. 1873.

Obs. Cum *Sept. Dianthi* Dmz. nil commune habet.

302. **Septoria Heraclei** Dmz., Sacc. M. V. n. 643 (ad *Phyllachoram*).

Obs. Spermatia cylindracea, curvata, 50 × 4, utrinque obtusa, 5–nucleata v. 4–septata, hyalina.

303. **Septoria Podagrariæ** Lasch,, Sacc. Myc. Ven. p. 145 (ad *Phyllachoram*), *S. Ægopodii* Dmz., Kx.

Obs. Spermatia cylindracea, 70–80 × $2^3/_4$–$3^1/_2$, curvula, 6–7–nucleata, hyalina.

304. **Septoria Dictamni** Fckl. Symbl Myc. 389, Sacc. M. V. n. 1011.

Hab. in foliis Dictamni albi *a Galzignano*, (Padova), Iunio 1876 (Bizzozero).

Obs. Spermatia bacillaria, utrinque obtusiuscula, 90 × $3^1/_2$–4, leniter curvula, 4–septata, hyalina.

305. **Septoria Xanthii** Dmz., Sacc. M. V. n. 547.

Obs. Spermatia filiformi-bacillaria, 40 × 2, curvula, guttulata, hyalina.

306. **Septoria Arabidis** Sacc. Maculis nullis; peritheciis in foliis arescendo subochraceis sparsis, gregariisque punctiformibus, prominulis ostiolo latiuscule pertusis; spermatiis filiformibus, curvulis v. flexuosis, 35–40 × 2, obsolete septatis, continuis, utrinque acutiusculis, hyalinis, denique in cirrhum protrusis.

Hab. in foliis Arabidis ciliatæ in alpibus *del Cadore*, (Belluno) æstate 1874 (S. Venzo).

307. **Septoria Chloræ** Sacc. & Sp. Maculis obsoletis v, vage albescentibus; peritheciis gregariis, punctiformibus, globulosis, prominulis, subastomis, contextu densiuscule parenchymatico nigricante; spermatiis filiformibus flexuosis, 35–40 × 1, 4–6–septulatis, hyalinis.

Hab. in foliis caulibusque Chloræ perfoliatæ *a Conegliano*, Oct. 1877 (Spegazzini).

308. **Septoria caulicola** Sacc. Maculis albicantibus v. obsoletis; peritheciis sparsis, minutis e globoso lentifor-

mibus, epidermide tandem leniter rupta velatis, atris, latiuscule pertusis; spermatiis bacillari-fusoideis, sursum clavulatis, falcatis, 40 × $2^1/_2$, hyalinis, sterigmatibus brevibus, crassiusculis fultis.

Hab. in caulibus languidis Scabiosæ graminifoliæ *ad Arco* (Trentino), Sept. 1874.

Obs. Hæc, nec non *S. pleosporoides, S. phomatoides, S. pithyophila, S. imperialis* ob perithecia perfectiora a cæteris desciscunt.

308.[bis] **Septoria pleosporoides** Sacc. Fungi Magn. n. 33.

309. **Septoria asclepiadea** Sacc. Maculis nullis v. obsoletis; peritheciis amphigenis dense gregariis, globoso-lenticularibus, prominulis, punctiformibus, atris; spermatiis bacillari-fusoideis, 18–20 × $2^1/_2$–3, curvulis, utrinque obtuse attenuatis, obsolete 1–septatis, non constrictis, hyalinis.

Hab. in foliis Cynanchi Vincetoxici et Marsdeniæ erectæ in Horto Patavino, Nov. 1877.

Obs. A *Sept. Vincetoxici* toto cœlo diversa.

310. **Septoria Tunicæ** Sacc. Maculis nullis; peritheciis gregariis, lenticulari-prominulis, punctiformibus, 60–70 micr. diam., pertusis; spermatiis bacillaribus, 15–18 × $1^1/_2$–$1^3/_4$, curvulis, teniter 1–3–septatis, hyalinis.

Hab. in caulibus languidis Tunicæ Saxifragæ Patavii, Martio 1873.

311. **Septoria Nebula** Sacc. Maculis nullis v. obsolete cinerascentibus, indeterminatis; peritheciis late densiuscule gregariis, punctiformibus lenticularibus, 50–60 micr. diam.. pertusis, atris; spermatiis bacillaribus, curvulis, 15 × 1, obsolete 1–septatis, hyalinis.

Hab. in caulibus Heraclei Sphondylii *a Vittorio*, Oct. 1873, socia *Hendersonia Heraclei* Sacc., mox describenda.

Obs. A *Septoria nebulosa* Dmz. X. Notic. p. 7 probe diversa.

312. **Septoria Vitalbæ** Sacc. Maculis oblongis, obsolete dealbatis, indeterminatis; peritheciis gregariis, punctiformibus, diam. 70–80 micr.. lenticularibus, pertusis; spermatiis bacillari-fusoideis, 12–15 × 3, rectis curvu-

lisve, 2–nucleatis, simulateque 1–septatis, non v. vix constrictis hyalinis.

Hab. in caulibus adhuc vivis Clematidis Vitalbæ *a Selva*, Apr. 1874,

313. **Septoria nigrella** Sacc. Maculis obsoletis; perithecciis hinc inde dense aggregatis areolasque atras elongatas efficientibus, punctiformibus, lenticularibus, 60–80 micr. diam., pertusis; spermatiis bacillaribus, curvulis, 12–15 × $1^1/_4$, utrinque obtusiusculis, continuis, eguttulatis, hyalinis.

Hab. in caulibus Lychnidis dioicæ Patavii, Apr. 1873.

++ Species in plantis monocotyledoneis et acotyledoneis parasiticæ.

314. **Septoria Tritici** Dmz. IX. Not. (1842) pag. 17. *S. Graminum* Dmz. Sacc. M. V. p. 197 p. p.

Hab. in foliis graminum (Brachypodii v. Festucæ) in sylva *Montello,* Aut. 1874-77.

Obs. Maculæ sublineares, longitudinales, albidæ, atropurpureo-marginatæ; spermatia cylindraceo-fusoidea, 60 × 5, curvula, 3–5–septata, hyalina. — Ab hac *Sept. Tritici* B. & C. (Grev. n. 25 p. 10) certe distinguenda.

315. **Septoria affinis** Sacc. Maculis linearibus, longitudinalibus, arescendo dealbatis, rufo-cinctis; perithecciis lenticularibus, punctiformibus, 200 micr, diam., latiuscule pertusis, nigricantibus; spermatiis bacillaribus, subflexuosis, 25–30 × 2–$2^1/_2$, utrinque obtusiusculis, 4–5–septatis, non constrictis, e hyalino dilutissime chlorinis.

Hab. in foliis Brachypodii pinnati in sylva *Montello*, Aug. 1877.

316. **Septoria Bromi** Sacc. Maculis obsoletis expallentibus, elongatis; perithecciis copiosis globoso-lenticularibus, pertusis; spermatiis filiformi-clavulatis, hinc acutis, illinc obtusis, 50–60 × 2, leniter curvis minute pluriguttulatis, hyalinis.

Hab. in foliis Bromi mollis *a Conegliano*, Majo 1876 (Spegazzini).

317. **Septoria Grylli** Sacc. Maculis obsoletis, expallentibus; peritheciis inordinate sparsis, globoso-lenticularibus, punctiformibus, atris; spermatiis filiformibus, longissimis, 75–85 × 1, utrinque obtusiusculis, eguttulatis, hyalinis.

Hab. in foliis Andropogonis Grylli *a Padova,* Iunio 1876.

318. **Septoria Phragmitis** Sacc. Maculis subovatis, arescendo dealbatis, fusco-marginatis; peritheciis punctiformibus, lenticularibus, atris; spermatiis cylindraceis, utrinque attenuatis, 20–30 × 1½–2, curvulis, minute guttulatis, hyalinis.

Hab. in foliis Phragmitis communis *a Vidòr*, (Treviso) Aug. 1874.

Obs. A *Septoria* (Ascospora) *Arundinis* Mtgn. Syll. 275 longe diversa.

319. **Septoria arundinacea** Sacc. Maculis oblongis, amphigenis, sordide ochraceis, fusco-cinctis; peritheciis gregariis, innatis, e globoso lenticularibus, 1/7 mill. diam., nucleo albo, contextu exquisite laxe celluloso, fuligineo; spermatiis bacillaribus, 60–70 × 5–6, curvulis, utrinque vix attenuatis, rotundatis, 6–7–septatis, non v. lenissime constrictis, prope septa guttulas minutas foventibus, e hyalino dilute olivaceis.

Hab. in foliis Phragmitis communis Patavii, Iun. 1877,

Obs. Species pulchra, a *Sept. Phragmitis* Sacc., *S. Tritici* Dmz., *Cryptosporio Arundinis* Mtgn. nec non ab *Hendersoniis* variis crostophilis probe distinguenda.

320. **Septoria donacina** Sacc. Maculis nullis v. obsolete expallentibus; peritheciis sparsis, innato-erumpentibus e globoso depressis, 1/4 mill. diam., ostiolo exiguo, contextu minute parenchymatico; spermatiis dense fasciculatis, filiformibus, 65–80 × 1½, vehementer curvatis, utrinque obtusiusculis, obsolete 6–10–guttulato-septulatis, hyalinis.

Hab. in culmis, præsertim in eorum interiore pariete, Arundinis Donacis, socia *Apiospora Striola*, in alveo Plavis, *a Susegana*, Apr. 1874.

321. **Septoria hydrophila** Sacc. & Sp. Maculis nullis;

peritheciis cladogenis, sparsis, punctiformibus, 120–150 micr. diam, lenticularibus, pertusis, contextu laxiuscule parenchymatico, fuligineo; spermatiis bacillaribus utrinque attenuatis, 90 × 3, curvatis, pluriguttulatis hyalinis, basidiis filiformibus brevibus suffultis.

Hab. in caulibus Alismatis Plantaginis *a Conegliano*, Martio 1877 (Spegazzini).

322. **Septoria caricicola** Sacc. Maculis subcircularibus, variis arescendo dealbatis latiuscule brunneo-marginatis; peritheciis punctiformibus, atris; spermatiis cylindraceis, utrinque obtusis, 50 × 4, leniter curvis, 7–8-septulatis, minuteque guttulatis e hyalino dilute flavidulis.

Hab. in foliis Caricis ripariæ Patavii, Majo 1874.

Obs. Paululum ad *Hendersoniam* vergit.

323. **Septoria Scirpi** Sacc. Maculis indeterminatis expallentibus; peritheciis gregariis punctiformibus, atris; spermatiis bacillaribus 38-40 × 3–3½, utrinque obtusiusculis, curvulis, 3-septatis, hyalinis.

Hab. in calamis Scirpi lacustris ad Benacum, Sept. 1875, socia *Sphærella Scirpi lacustris* Awd., cujus forte spermogonium.

324. **Septoria Holoschæni** Mtgn. Syll. 275 (sub Ascospora).

Hab. in calamis Scirpi Holoschæni in alveo Plavis *a Narvesa*. Aut. 1874.

Obs. Maculæ obsoletæ; perithecia globulosa, minutissima, innato-erumpentia; spermatia cylindraceo-fusoidea 50 × 4, utrinque acuta, 5–7-septata, non constricta, curvula, dilutissime olivacea — Paululum ad *Hendersoniam* vergit. An status spermogonicus *Leptosphæriæ Micropogonis* Sacc.?

325. **Septoria alismatella** Sacc. Maculis nullis v. indeterminatis; peritheciis caulogenis e globoso depressis, subcutaneis, diam. 70 micr., pertusis; spermatiis bacillaribus, rectiusculis, 15 × 1, utrinque acutatis, eguttulatis, hyalinis.

Hab. in caule Alismatis Plantaginis in sylva *Montello*, Aug. 1873.

Obs. A *Septoria Alismatis* Oud. (quæ = *S. Alismatis* Thm.) prorsus aliena.

326. **Septoria Orchidearum** West. f. *Orchidis Morionis*.

Hab. in vaginis foliorum Orchidis Morionis *a Selva*, Sept. 1873.

Obs. Maculæ obsolete expallentes; spermatia bacillaria utrinque acuta, 18 × 1, rectiuscula, guttulata, hyalina.

327. **Septoria Epipactidis** Sacc. Maculis oblongis, arescendo albicantibus; peritheciis lenticularibus, atris, pertusis; spermatiis cylindraceo-bacillaribus, 28–30 × 2, utrinque obtuse attenuatis, curvatis, 4–6-guttulatis, hyalinis.

Hab. in foliis Epipactidum *in Cadore*, æst. 1874 (S. Venzo).

328. **Septoria brunneola** (Fr.) Niessl Mähr. Crypt. p. 35.

Hab. in foliis Convallariæ majalis *a Selva*, *Narvesa*, Aut. 1876.

Obs. Spermatia filiformia, 75–100 × 2, continua, hyalina.

329. **Septoria Erythronii** Sacc. & Sp. Maculis subcircularibus sinuosisque, albicantibus; peritheciis gregariis, punctiformibus, lenticularibus, prominulis, 80–100 micr. diam., subastomis; contextu minute parenchymatico subochraceo; spermatiis filiformibus, subtortuosis, 45–50 × 4, utrinque acutiusculis, pluriguttulatis obsoleteque septulatis, hyalinis.

Hab. in foliis Erythronii Dentis canis *a Conegliano*, Oct. 1877. (Spegazzini).

330. **Septoria Scolopendrii** Sacc. Maculis indeterminatis arescendo ochraceo-rufescentibus obsoletisve; peritheciis hinc inde aggregatis, punctiformibus, lenticularibus, 50–80 micr. diam., anguste pertusis; contextu denso, atro-olivaceo; spermatiis filiformibus, rectis curvulisve, 24–28 × $1^1/_2$–2, utrinque obtusiusculis, guttulatis, hyalinis.

Hab. in fronde Scolopendrii officinarum, *a Selva*, Apr. 1874, et *a Conegliano*, Apr. 1877 (Spegazzini).

+ + + Species zoophila.

331. **Septoria pterophila** Sacc. Fungi ital. tab. 90, Michelia I. 93.

Obs. Spermatia cylindraceo-vermicularia, utrinque obtusiuscula, 44–50 ≈ $3^1/_2$–4, 6–7-septata, non constricta e hyalino chlorino-olivacea.

REPERTORIUM

specierum generis Phyllostictæ, Ascochytæ et Septoriæ

secundum matrices.

Obs. *P.* indicat Phyllostictam, *A.* Ascochytam, *S.* Septoriam.

Numeri progressionem specierum signant.

Abies — *S.* 205.
Acer — *P.* 13. 65.
Æsculus — *P.* 1. — *S.* 210.
Ægopodium *S.* 264. 303.
Ailanthus — *P.* 69.
Ajuga — *P.* 85.
Alisma — *P.* 56. — *S.* 321. 325.
Alnus — *S.* 217. 228.
Althæa — *P.* 48.
Andropogon — *A.* 150. — S. 317.
Anemone — *S.* 240. 291.
Armoracia — *S.* 279.
Aristolochia — *A.* 154. — *S.* 300.
Arabis — *S.* 306.
Arrhenatherum — *A.* Fungi novi Magn. n. 30.
Arundo — *S.* 320.
Astragalus — *S.* 238.
Asarum — *S.* 245.
Atriplex — *S.* 296.
Aucuba — *P.* 96. — *A.* 163.

Bellis — *S.* 246.
Berberis — *P.* 1. — *S.* 221.
Betula — *P.* 102. — *S.* 218.
Bidens — *S.* 254.
Brachypodium — *S.* 314. 315.
Bromus — *S.* 316.
Buxus — *P.* 19. — *A.* 136. 171.
Bumelia — *S.* 232.

Campanula — *P.* 87.
Carpinus — *P.* 123. — *A.* 179.
Castanea — *S.* 209.
Capparis — *P.* 29. — *S.* 265.
Catalpa — *P.* 21. — *S.* 231.
Calycanthus — *S.* 27. — *A.* 141.
Calystegia — *P.* 41. 132. — *A.* 153. — *S.* 234.
Celtis — *P.* 5. — *S.* 229.
Cercis — *P.* 71.
Chysanthemum — *S.* 297.
Cheiranthus — *S.* 288.
Chenopodium — *P.* 81. — *S.* 288. 296.
Chelidonium — *S.* 239.
Chlora — *A.* 145. — *S.* 307.
Cirsium — *P.* 47. — *S.* 283.
Circæa — *P.* 128.
Cicada — *S.* 331.
Citrus — *S.* 197.
Clematis — *S.* 252. 272. 312.

Corylus — *P.* 24. 124. — *A.* 139.
Coronilla — *A.* 144. — *S.* 194.
Cornus — *P.* 70. — *A.* 172. — *S.* 224. 225.
Convolvulus — *S.* 234. 268.
Convallaria — *S.* 328.
Cratægus — *S.* 211. 222.
Cucurbita — *P.* 58. — *S.* 253.
Cynanchum — *P.* 35. 114. — *S.* 243. 309.
Cytisus — *P.* 20. 61. 91. — *S.* 181.
Cyclamen — *S.* 290.

Datura — *A.* 147.
Dianthus — *S.* 275. 301.
Dictamnus — *S.* 304.

Elæagnus — *S.* 226.
Epilobium — *S.* 267.
Epipactis — *S.* 327.
Epimedium — *P.* 78.
Erythræa — *P.* 94.
Erythronium — *A.* 146. — *S.* 329.
Eupatorium — *S.* 256.
Evonymus — *P.* 25. 109. — *S.* 191.

Festuca — *S.* 314.
Forsythia — *P.* 66.
Fragaria — *A.* 175. — *S.* 287.
Fraxinus — *A.* 164. — *S.* 220. 227.

Galeopsis — *P.* 84.
Genista — *S.* 204.
Geranium — *S.* 285.
Geum — *S.* 277.
Globularia — *S.* 251.
Glechoma — *P.* 90.
Gomphrena — *P.* 86.
Gratiola — *S.* 266.

Hedera — *P.* 16. 17. — *S.* 188.
Hepatica — *S.* 240.
Heracleum — *S.* 302. 311.
Helleborus — *P.* 50. — *A.* 174.
Hibiscus — *P.* 14. — *S.* 196.
Hoya — *S.* 187.

Humulus — *P.* 54. — *S.* 231.
Jasminum — *P.* 26.
Inula — *S.* 294.
Juglans — *P.* 7. 107.

Laurus — *P.* 8. 117.
Lamium — *P.* 45. — *A.* 180. — *S.* 236.
Lappa — *P.* 88. — *S.* 262.
Laserpitium — *P.* 57.
Lathyrus — *S.* 298.
Leycesteria — *S.* 216.
Ligustrum — *P.* 2. 129. — *A.* 157.
Linaria — *S.* 295.
Lilium — *P.* 92.
Lonicera — *P.* 18. — *S.* 201.
Lychnis — *S.* 276. 313.
Lysimachia — *S.* 270.

Magnolia — *P.* 30.
Mahonia — *P.* 99.
Malva — *A.* 135.
Marchantia — *P.* 52. — *A.* 165.
Marsdenia — *S.* 309.
Mellitis — *S.* 247.
Mespilus — *P.* 125. — *S.* 219.
Momordica — *A.* 160.
Morus — *S.* 206. 207.

Negundo — *P.* 75.
Nerium — *P.* 23. — *A.* 140. — *S.* 185.
Nicotiana — *P.* 93.

Œnothera — *S.* 269.
Opuntia — *P.* 113.
Orchis — *S.* 326.
Orobus — *P.* 79. — *A.* 134. — *S.* 278. 278.*
Oxalis — *P.* 44.

Pæonia — *P.* 133.
Paulowni — *P.* 72. — *S.* 202.
Paliurus — *A.* 159.
Pastinaca — 280.
Petroselinum — *S.* 249.

Persica — *P.* 68. — *S.* 203.
Photinia — *P.* 115. 116.
Phaseolus — *P.* 76. 130. — *A.* 151.
Pharbitis — *P.* 53.
Philadelphus — *A.* 156.
Phlox — *S.* 260.
Phragmites — *S.* 318. 319.
Phyteuma — *S.* 263 et Fung. novi Magn. n. 31.
Physalis — *P.* 80. — *A.* 152.
Platanus — *P.* 98.
Plantago — *P.* 33. — *A.* 158.
Populus — *P.* 10. 11. 105. — *A.* 170. — *S.* 183. 184.
Polygonum — *P.* 38. — *S.* 255.
Portulaca — *P.* 60.
Potentilla — *P.* 32. — *A.* 176.
Polygonatum — *P.* 43.
Prunus — *P.* 97. 119.
Punica — *P.* 112.
Pulmonaria — *S.* 284.
Pyrus — *P.* 3. 100. 119. — *A.* 166. — *S.* 182.

Quercus — *P.* 15. 22. 110. — *A.* 138. — *S.* 199. 200.

Ranunculus — *P.* 83. — *S.* 289.
Ribes — *P.* 12. — *S.* 195.
Rhamnus — *P.* 62. 111. 122. — *S.* 192. 233.
Robinia — *P.* 63. — *A.* 143.
Rosa — *A.* 148. — *S.* 212. 213.
Rubus — *P.* 105. — *S.* 190.
Rumex — *P.* 89. 104. — *S.* 308.
Ruscus — *P.* 118.

Saponaria — *P.* 103. — *S.* 274.
Sambucus — *A.* 167. — *S.* 271.
Salix — *S.* 186.
Scirpus — *S.* 323. 324.
Scolopendrium — *S.* 330.
Scabiosa — *S.* 241. 299. 308.
Scrophularia — *P.* 36. 37. 127.
Senecio — *P.* 77. — *S.* 244. 292.
Setaria — *P.* 101.
Sium — *S.* 235.
Sorghum — *P.* 34. — *A.* 149. 162.
Sonchus — *P.* 40. — *S.* 259.
Solanum — *P.* 131. — *S.* 237.
Sorbus — *S.* 230.
Solidago — *S.* 273.
Spiræa — *P.* 49. 59. 82 (corrige: *filipendulina*). — *S.* 223.
Stellaria — *S.* 248.
Succisa — *S.* 299. 241.
Syringa — *P.* 67. — *S.* 215.
Symphoricarpus — *P.* 73.

Tamus — *P.* 42.
Teucrium — *P.* 55. — *S.* 261.
Tecoma — *P.* 74. — *A.* 169.
Tilia — *P.* 120.
Tormentilla — *P.* 126. — *S.* 242.
Trifolium — *S.* 286.
Tropæolum — *P.* 95.
Tunica — *S.* 310.
Tussilago — *P.* 51. — *S.* 293.

Ulmus — *P.* 121. — *A.* 173. — *S.* 208.
Urtica — *P.* 39. — *S.* 282.

Vaccinium — *S.* 189.
Verbena — *S.* 250.
Verbascum — *A.* 161.
Viburnum — *P.* 6. 64. — *A.* 137. 178. — *S.* 198.
Vitis — *P.* 9. 108. — *A.* 168.
Viola — *P.* 46. — *A.* 142. — *S.* 257.

Weigelia — *P.* 28. — *A.* 177.

Xanthium — *S.* 305.

Zea — *A.* 155.
Zizyphus — *S.* 193.

332. **Discosia Artocreas** Fr., Sacc. Fungi Veneti, Ser. V. 199. Sequentes formas in agro Veneto hucusque observavi:

1. *Ligustri vulgaris:* spermatia botuliformia, 15 × 3, utrinque sub apice rotundato setigera, 3-septata, flavida; setæ in omnibus 10–15 lgæ. – *a Selva.*
2. *Photiniæ serrulatæ:* sperm. ut supra, 20 × $2^1/_2$, hyalino-luteola – *a Selva.*
3. *Sorbi torminalis:* sperm. ut supra, 16–22 × 2–3, viridula – *Montello.*
4. *Quercus pedunculatæ:* sperm. ut supra, 18–20 × 2, dilute chlorina – *Montello.*
5. *Platani orientalis:* sperm. ut supra, 20 × 3, subhyalina – *Conegliano.*
6. *Lauri nobilis:* sperm. ut supra, 18–20 × 3–$3^1/_2$, subhyalina – *Selva.*
7. *Abietis excelsæ:* sperm. ut supra, 15–20 × 3, subhyalina – *Selva.*
8. *Pseudoplatani:* sperm. ut supra, 15–16 × 2–$2^1/_2$, subhyalina – *Selva.*
9. *Cercidis Siliquastri:* sperm. ut supra, 20 × $2^1/_2$, subhyalina – *Treviso.*
10. *Populi nigræ:* sperm. ut supra, 15 × $2^1/_2$, subhyalina – *Selva.*
11. *Aceris campestris:* sperm. ut supra, 18 × 3, subhyalina – *Montello.*
12. *Rubi cæsii:* sperm. ut supra, 18–20 × $3^1/_2$, viridula – *Selva.*
13. *Betulæ albæ:* sperm. ut supra, 16 × $2^1/_2$, subhyalina – *Conegliano.*
14. *Rosarum:* sperm. ut supra, 18–21 × $2^1/_2$–$3^1/_2$, subhyalina – *Conegliano.*
15. *Fraxini Orni:* sperm. ut supra, 16–18 × 3, subhyalina – *Pianzano.*
16. *Fagi sylvaticæ:* sperm. ut supra, 14–17 × 2–$2^1/_2$, subhyalina – *Conegliano.*
17. *Pruni Cerasi:* sperm. ut supra, 14–18 × $2^1/_2$–3, subhyalina – *Conegliano.*
18. *Pteridis aquilinæ:* sperm. ut supra, 18–22 × $2^1/_2$, subhyalina – *Conegliano.*

19. *Vitis viniferæ:* sperm. ut supra, 20 × 3, subyalina – *Conegliano.*

20. *Paoniæ officinalis:* sperm. ut supra, 15–16 × 3, viridula – *Gallia* (Gandoger.)

21. *Pyri Mali:* sperm. ut supra, 18–20 × 3, viridula – *Selva.*

22. *Ranunculi acris:* sperm. ut supra, 18 × 3, viridula – *Selva.*

Præterea vidi in foliis Mespili japonicæ, Robiniæ, Tiliæ, Quercus Ilicis, in strobilis Abietis &c.

333. **Leptothyrium macrothecium** Fckl. Symb. mycol. pag. 383.

Hab. in foliis Tormentillæ erectæ in sylva *Montello*, Sept. 1876.

Obs. Perithecia dimidiata, pro genere majuscula, astoma, aterrima; spermatia cylindraceo-fusoidea, 7–8 × 1½–2, curvata, hyalina.

334. **Leptothyrium dryinum** Sacc. – *Stigmella? dryina* Sacc. M. V. n. 555, minime Lév. Peritheciis punctiformibus, diam. 50–80 micr., superficialibus, scutiformi-applanatis, atris e cellulis fibrosis radiantibus, circumcirca fimbriatis compositis, medio dehiscentibus; spermatiis ratione perithecii majusculis, ovoideis, 10–12 × 7, minute pluriguttulatis, fuscidulis.

Hab. in foliis nondum emortuis Quercus pedunculatæ in sylva *Montello,* aut. 1873-77, nudo oculo vix percipiendum.

Obs. Ob formam perithecii ad *Actinotyrium* vergit, sed fabrica spermatiorum maxime differt.

335. **Leptothyrium acerinum** (Kze) Cda. *Pilidium acerinum* Kze, Sacc. M. V. n. 996.

Hab. in foliis Aceris campestris et Aceris platanoidis *a Selva, Conegliano e Padova,* Aut. 1876.

Obs. Spermatia cylindraceo-fusoidea, falcata, 10–14 × 1½–2, hyalina, initio sterigmatibus filiformibus, 10–12 × 1 suffulta.

336. **Leptothyrium alneum** (Lév.) Sacc. — *Melasmia alnea* Lév., Cooke Hndb. p. 400.

Hab. in foliis Alni glutinosæ languidis *a Conegliano*, Sept. 1876 (Spegazzini).

Obs. I. Perithecia scutiformia convexo-plana, atra, dein radiatim subplicata; spermatia botuliformia, curvula 8–9 × $1^1/_2$–2, hyalina. An status provectior *Leptothyrii* (Glœosporii) *cylindrospermi* Bonorden? – Aptius omnimode *Leptothyrio* quam *Malasmiæ* adscribenda species.

Obs. II. Ad hoc quoque genus spectat *Leptothyrium pictum* B. et Br., Sacc. F. ital. tab. 93. Observandum tamen quod tam hoc quam *Lept. dryinum* perithecio multo magis manifesto, quam ceteræ species, prædita sunt.

337. **Melasmia acerina** Lèv. (Spermog. *Rhytismatis acerini* (Pers.) Fr., Sacc. Myc. Ven. p. 159.)

Hab. in foliis Aceris campestris et Pseudoplatani in toto agro Veneto, Aut.

Obs. Spermatia botuliformia, curvula, 6–8 × 1, hyalina.

338. **Piggotia astroidea** B. & Br., Cooke IIndb. 441 fig. 165, Sacc. M. V. n. 994.

Hab. in foliis Ulmi campestris vivis *a Conegliano* Aug. 1876 (Spegazzini).

Obs. Spermatia oblonga, basi truncata, apice rotundata, 8–10 × 5–6, minute 2–4-guttulata, dilute luteola, basidiis cylindraceis fasciculatis apice truncatis luteolis suffulta. Contextus perithecii minute parenchymaticus, atro-olivaceus.

339. **Coniothyrium conoideum** Sacc. Peritheciis sparsis hemisphærico-conoideis, minutis, initio epidermide velatis dein erumpenti-superficialibus, atris, nitidulis; spermatiis ellipsoideo-globulosis, $3^1/_2$ × $2^1/_2$, 1-guttulatis, luteolis.

Hab. in caule putri Angelicæ sylvestris, una cum *Leptosphæria conoidea*, cujus est verisimiliter st. spermogonicus, in *S. Montello*, aut. 1874.

340. **Coniothyrium arundinaceum** Sacc. Peritheciis gregariis erumpentibus, globulosis, papillatis, atris; contextu parenchymatico fuligineo; spermatiis ovoideo-oblongis, 4–$4^1/_2$ × $2^1/_2$–3, 1–2-guttulatis, olivaceis, sterigmatibus filiformibus, brevibus, 10–15 × $2^1/_2$ suffultis.

Hab. in culmis Arundinis Donacis putrescentibus Patavii, Apr. 1875 (Bizzozero) – Species bene distincta!

341. **Coniothyrium concentricum** (Dmz.) Sacc. M. V. n. 354. Fungi Ven. Ser. V. 199. et var. **Agaves** (*Phoma Agaves* Bk.)

Hab. in foliis Yuccæ gloriosæ *a Vittorio e Selva*, var. in foliis Yuccæ filamentosæ in Horto Patavino, Aut. 1875-77.

Obs. Perithecia lentiformia, subastoma, contextu parenchymatico fuligineo; spermatia e globoso ovoidea, 4–5 × 3–4, initio hyalina, dein flavida, tandem fuliginea, plerumque 1-guttulata – Perithecia non semper concentrice disposita, modo epidermide nigricante nunc immutatà velata. In var. *Agaves* perithecia sparse gregaria, erumpenti-superficialia, globulosa.

342. **Coniothyrium scapisedum** Sacc. & Sp. Peritheciis globuloso-lenticularibus, initio epidermide velatis, 200–250 micr. diam., anguste pertusis; contextu parenchymatico fuligineo; spermatiis globoso-ovoideis, 2–3 × $1^1/_2$ –2, pallide fuligineis.

Hab. in scapis emortuis Plantaginis lanceolatæ *a Conegliano*, Nov. 1876 (Spegazzini).

343. **Coniothyrium Saponariæ** Sacc. & Sp. Peritheciis globuloso-lenticularibus, 200 micr. diam., contextu parenchymatico circa porum latiusculum densiore, fuligineo; spermatiis brevissime cylindraceis, utrinque obtusis, 4–$1^1/_2$ × 2, e hyalino pallide fuligineis.

Hab. in caulibus emortuis Saponariæ officinalis *a Conegliano*, Nov. 1876 (Spegazzini).

344. **Coniothyrium Parietariæ** Sacc. & Sp. Peritheciis cortice secedente superficialibus, subhemisphæricis, 200–300 micr. diam., umbilicatis, carbonaceis; spermatiis ovoideo-globulosis. 4–5 × 2–$3^1/_2$, lutescenti-olivaceis.

Hab. in radicibus emortuis Parietariæ officinalis *a Conegliano*, Dec. 1876 (Spegazzini).

345. **Coniothyrium Hederæ** (Dmz.) Sacc., *Phoma Hederæ* Dmz., Cooke Hndb. p. 418. *Melanconium Hederæ* Pr. Hoyersw, p. 717, n. 312.

Hab. in ramulis foliisque Hederæ Helicis *a Selva* et *Conegliano* Aut. 1875–76.

Obs. Perithecia lenticularia majuscula, epidermide nigrificatà velata; spermatia e globoso subovoidea, 5–6 × 4–4½, sæpius subangulosa, 1–2–guttulata, olivaceo-fusca, guttulis grandiusculis pallidioribus.

346. **Coniothyrium olivaceum** Bon., Sacc. Mycol. Ven. 191. – Sequentes formas in agro Veneto observavi:

1. *Philadelphi coronarii:* perithecia globosa, majuscula, initio velata, dein sublibera, atra, conico-papillata; sperm. ovoideo-oblonga, 6 × 3, olivaceo-fusca.
2. *Rhois radicantis:* perith. ut supra; sperm. 6–7 × 3½–4.
3. *Loniceræ Xylostei:* perith. ut supra; sperm. 6–7 × 5.
4. *Carpini Betuli:* perith. ut supra; sperm. 6 × 3.
5. *Populi nigræ:* perith. ut supra; sperm. 5–6 × 3.
6. *Catalpæ syringifoliæ:* perith. ut supra; sperm. 6–7 × 3½.
7. *Amorphæ fruticosæ:* perith. ut supra; sperm. 8 × 4–5.
8. *Sophoræ japonicæ:* perith. ut supra; sperm. 6–7 × 3–3½.
9. *Evonymi japonici:* perith. ut supra; sperm. 6–7 × 5.
10. *Ailanthi glandulosæ:* perith. ut supra; sperm. 7–8 × 3½–4½.
11. *Paliuri aculeati:* perith. ut supra et cæspitulosa; sperm. 6–8 × 3–4.
12. *Magnoliæ grandifloræ:* (in foliis) perith. ut supra; sperm. 5–7 × 3–4.
13. *Celtidis australis:* perith. ut supra; sperm. 6 × 2½–3.
14. *Calycanthi floridi:* perith. ut supra; sperm. 5–6 × 4–5.

347. **Coniothyrium cruciatum** Fckl. Symb. p. 173.

Hab. in ramis Ulmi campestris *a Selva*, Aut. 1874, raro.

Obs. Spermatia globulosa, diam. 3–4 micr., quandoque dimidiata, flavida.

348. **Coniothyrium fuscidulum** Sacc. Peritheciis gregariis, in fibris ligneis nidulantibus, erumpentibusque, globulosis, atris; spermatiis e globoso ovoideis, 4–5 × 3–4, 1–guttulatis, olivaceis.

Hab. in ramis decorticatis Sambuci *a Vittorio*, aut. 1864, socio *Melanommate fuscidulo* Sacc., cujus videtur spermogonium.

349. **Coniothyrium australe** Sacc. Peritheciis cortice nidulantibus, epidermidem pustulatim breve elevantibus, e fibris corticalibus mutatis conflatis (ergo spuriis ?), ochraceis; spermatiis oblongis, 12 × 7, basi cuneatis, apice inæqualiter obtusatis, 3-pluriguttulatis e luteo pallide ochraceis, in basidiis brevibus, fasciculatis acrogenis.

Hab. in ramulis Paliuri aculeati *a Vittorio*, Oct. 1873.

350. **Coniothyrium cæspitulosum** Sacc. Dothideoides; peritheciis globulosis papillulatis, erumpentibus, in cæspitulos dense aggregatis et e mutua pressione sæpe angulosis, atris; contextu laxe celluloso ferrugineo; spermatiis e globoso ovoideis sæpius basi subapiculatis, 8–9 × 6–8, e hyalino dilute flavidis.

Hab. in ramulis Tamaricis gallicæ *a Verona* (A. Massalongo) et *a Conegliano* (Spegazzini).

351. **Coniothyrium Platani** Sacc. Peritheciis globulosis, subcutaneis, vix erumpentibus, nucleo fareto atro; spermatiis oblongo-ovoideis, 3 × $1^1/_2$, olivaceis basidiis, cylindraceis simplicibus ramulosisque fultis.

Hab. in ramis corticatis Platani orientalis *a Conegliano*, Junio 1876 (Spegazzini).

352. **Coniothyrium epimyces** Sacc. & Speg. Peritheciis sparsis, gregariisque, globoso-lenticularibus, 150–200 micr. diam., inito-erumpentibus, pertusis; spermatiis oblongo-ovoideis, obtuseque angulosis, 4–6 × $2^1/_2$–3, 1–2-guttulatis olivaceo-fuscidulis.

Hab. in cute Polypori squamosi putris *a Conegliano*, Nov. 1876 (Spegazzini).

353. **Coniothyrium insitivum** Sacc. Peritheciis (genuinis?) in acervulos conoideos subaggregatis, tectis, sæpe difformibus, aterrimis, nigrofarctis; spermatiis oblongo-ovatis $4^1/_2$–7 × $2^1/_2$–$3^1/_2$, olivaceo-fuligineis, in basidiis brevissimis acrogenis.

Hab. in ramulis Gleditschiæ, Albizziæ, Ber-

beridis, Rhamni cathartici, Ulmi campestris et Ailanthi glandulosæ (Cfr. Sacc. Fungi Ven. Ser. IV. 20) *a Selva e Padova*, 1874–76.

Obs. Membrana perithecii deesse videtur, sed nuclei sunt definite efformati, ergo non *Melanconii* species – *Con. incrustans* Sacc. huic affine est, sed differt spermatiis globulosis, 5 × 4, fuligineis hyalino–1–guttulatis. Hoc nuper in Albizzia Jalibrissin legi *a Selva*.

354. **Coniothyrium Fuckelii** Sacc. Fungi Ven. Ser. II. 318 et Ser. V. 200., M. V. n. 1030. In agro Tarvisino formas sequentes observavi:

1. *Ampelopsidis hederaceæ:* spermatia sphæroidea, 4. micr. diam. fuliginea.
2. *Tecomæ radicantis:* spermatia globoso ovoidea, 3–4 × $2^1/_2$ –3, olivacea.
3. *Rosarum:* spermatia globosa v. ovoidea, 3–5 × 3, olivacea.
4. *Robiniæ Pseudacaciæ:* spermatia ovoidea, 3 × $2^3/_2$, olivacea.
5. *Berberidis vulgaris:* spermatia globosa, quandoque subangulosa, 4 diam., 1–guttata, fuliginea.

Obs. Aliæ species jam descriptæ, sunt: *C. fœdans* Sacc. F. it. tab. 95 et Michelia I. p. 95., *C. vagabundum*, *C. Aucubæ*, *C. incrustans*, Sacc. F. Ven. Ser. V. 199–200 et *C. anserinum*, Sacc. F. Ven. Ser. IV. p. 19 — *C. Palmarum* Cda Ic. IV fig. 106, ex agro Neapolitano misit C. Magnaguti-Rondinini.

Hendersonia Mont., Sacc. Mycol. Ven. Spec. p. 199.

\+ Species dictyosporæ (*Camarosporium* Schulz.).

355. **Hendersonia Robiniæ** West., Sacc. Mycol. Ven. p. 199, *H. subfenestrata* B. & C. Grevill. n. 25 p. 5.

Obs. Stylosporæ oblongæ, 15–16 × 7, 4–5–septato-muriformes, fuligineæ.

356. **Hendersonia Triacanthi** Sacc. Peritheciis erumpentibus, sæpe cæspitulosis, globosis, papillatis, nigris; sty-

losporis oblongis, 20 × 8, 4–5-septato-muriformibus, fuligineis – Affinis *Hendersoniæ Robiniæ* West.

Hab. in ramis Gleditschiæ Triacanthi putrescentibus *in Cadore* (Belluno), æstate 1874 (S. Venzo).

357. **Hendersonia Mori** Sacc. Peritheciis erumpentibus, gregariis v. aggregatis, globulosis, breviter papillatis, aterrimis; contextu parenchymatico fusco; stylosporis oblongo-ovoideis, 22 × 10, quandoque inæqualibus, 3–5-septato-muriformibus, ad septa non constrictis, fuligineis.

Hab. in ramis Mori albæ *a Conegliano*, Jun. 1876 (Spegazzini).

Obs. Huc probabiliter spectat *Camarosporium Mori* Schulz. Myk. Beitr. 1870 p. 649.

358. **Hendersonia Coronillæ** Sacc. & Sp. Peritheciis sparsis v. aggregatis, erumpentibus, olivaceo-nigris, globulosis, papillatis, denique umbilicatis; stylosporis oblongis, utrinque rotundatis, rectis curvulisve, 15–18 × 6–8, 3–5-septato-muriformibus, rarius ad septa constrictis, dilute fuligineis.

Hab. in ramulis Coronillæ Emeri *a Susigana*, Dec. 1876, socia *Cucurbitaria Coronillæ* (Fr.) Sacc. (Spegazzini).

359. **Hendersonia incrustans** Sacc. Peritheciis cortice nidulantibus, sparsis v. sæpius aggregatis, globosis, papillulatis, atris, pachydermaticis; stylosporis ovoideis initio continuis guttulatis, flavo-lutescentibus dein 3-septato-muriformibus, 15–17 × 8, ad septa non v. vix constrictis, opace fuligineis.

Hab. in ramis corticatis Rhois typhinæ Patavii, Martio 1872, socia *Thyridaria incrustante* Sacc., et Corni sanguineæ *a Selva*, Aug. 1877.

360. **Hendersonia polymorpha** (DNtrs sub *Diplodia*) Sacc. Peritheciis sparsis, globulosis, papillulatis, e fibris ligneis erumpentibus; stylosporis ellipsoideis, initio continuis stipitellatis, dein 3–4-septato-muriformibus, 10 × 8, ad septa non v. vix constrictis, fuligineis.

Hab. in ramis Loniceræ Xylostei *a Selva*, Sept. 1873.

Obs. Huic paululum affinis est *H. sarmenticia* Sacc. Fungi ital. tab. 97 et Michelia I. 96,

361. **Hendersonia rubicola** Sacc. Peritheciis sparsis, globulosis, minutis, erumpentibus; stylosporis oblongo-ovoideis v. subangulosis, utrinque rotundatis, 12–14 × 6, 3–4-septato-muriformibus, ad septa non constrictis, fuligineis, initio vero continuis et breviter stipitatis.

Hab. in ramulis Rubi fruticosi Patavii, Majo 1873.

362. **Hendersonia Tini** Sacc. Peritheciis foliicolis, punctiformibus, innato-erumpentibus, globulosis nigris; stylosporis initio stipitellatis, 12 × 7, 3-septato-muriformibus, dilute fuligineis.

Hab. in foliis languidis Viburni Tini *a Selva*, Sept. 1873.

363. **Hendersonia Suseganensis** Sacc. & Sp. Foliicola; maculis albis sinuosis; peritheciis globoso-lenticularibus, amphigenis, 100–150 micr. diam., pertusis; contextu parenchymatico, atro-fusco; stylosporis ovoideis, inæqualibus, 15–20 × 8–10, 2–4-septatis muriformibusque, fuligineis.

Hab. in foliis Capparidis rupestris *a Susegana*, Oct. 1877 (Spegazzini).

364. **Hendersonia macrospora** Bk. & Br., *H. pulchella* Sacc. Myc. Ven. p. 200 t. XVII f. 22–23.

Obs. Secundum Passer. in litt. et Winter in exempl. prædicta mea *H. pulchella* ad *H. macrosporam* genuinam spectat.

365. **Hendersonia Saubinetii** Mtgn. Syll. p. 263.

Hab. in ramis corticatis Quercus pedunculatæ in sylva *Montello*, Oct. 1875, et Sambuci nigræ *a Conegliano*, Martio 1876 (Spegazzini).

Obs. Species prædistincta, ob naturam stylosporarum cum genere *Staurosphæria* Rabh., (Kx Fland. I, 399) conveniens, sed ob stroma fere dothideaceum longe diversa. Stylosporæ subglobosæ 8–10 micr. diam., vel 11–12 × 8–9, 2-septato-muriformes v. sæpius radiatim 3–5-septatæ, ad septa leniter constrictæ, fuligineæ, initio basidiis cylindraceis sporâ brevioribus, hyalinis fultæ.

Specimina in Rhamno meis simillima ex Anglia misit clar. M. C. Cooke – *Hendersonia sphærosperma* B. & C. (Grevillea N. 25 pag. 4) valde affinis videtur, nisi eadem.

++ Species phragmosporæ (vel stylosporis 1–serialiter guttatis).

A. In Monocotyledoneis parasiticæ.

366. **Hendersonia Luzulæ** West. (?) Crypt. d'ap. stat. App. I. (nomen).

Hab. in calamis vaginisque Luzulæ pilosæ in Euganeis, Martio 1873.

Obs. Stylosporæ cylindraceæ, utrinque rotundatæ, 14 × $3^1/_2$–4, plerumque rectæ, 4–guttulatæ, hyalinæ (jugiter?)

367. **Hendersonia graminella** Sacc. peritheciis gregariis, erumpentibus, globoso–papillatis, atris, contextu parenchymatico fuligineo; stylosporis cylindraceis utrinque obtusiusculis, 18–20 × 3–$3^1/_2$, (jugiter) 4–6–guttulatis, hyalinis.

Hab. in culmis graminum inferiorum *a Selva*, Sept. 1875.

368. **Hendersonia Ischæmi** Sacc. Peritheciis gregariis v. longitudinaliter cæspitulosis, erumpentibus globulosis, papillatis; contextu parenchymatico, atro; stylosporis cylindraceis v. oblongatis, 12 × 4, initio 4–guttulatis, dein 1–septatis, tandem 3–septatis, ad septa non constrictis, hyalinis.

Hab. in culmis putrescentibus Andropogonis Ischæmi, Patavii Nov. 1875.

369. **Hendersonia culmicola** Sacc., *H. subseriata* Sacc. F. V. ser. V. p. 207, non Dmz.

Obs. H. subseriata genuina, sec. descr. Dmz. et specimina Winterii, habet stylosporas, 38–40 × 7, 6–8–nucleata, hyalina.

370. **Hendersonia graminicola** Lèv., Sacc. Myc. Ven. p. 199.

Obs. Stylosporæ cylindraceo-fusoideæ, 22 × 5, 3-septatæ, fuscæ.

371. **Hendersonia arundinacea** Dmz., Sacc. F. V. Ser. II. 320.

Hab. in culmis Phragmitis communis, socia *Leptosphæria arundinacea*, *a Selva*, *Padova*, Aut. 1875.

Obs. Stylosporæ cylindraceo-bacillares utrinque rotundatæ, 60–70 × 7, 10–12-septatæ, 11–13-guttulatæ, hyalinæ.

372. **Hendersonia crastophila** Sacc. Peritheciis sparsis innato-erumpentibus, globulosis, papillatis, atris.

1. *Phragmitis communis*: stylosporis bacillari-fusoideis, utrinque rotundatis, 35 × 5½, 7–8-septatis, eguttulatis, fuligineis.

2. *Cynodontis Dactyli*: stylosporis similibus, 35 × 4.

Hab. in eorumdem culmis in agro Tarvisino, Aut. 1873–75.

373. **Hendersonia Donacis** Sacc. Peritheciis innato-erumpentibus, remote gregariis e globoso longitudinaliter compressis, ostiolo brevissimo, obtuso; contextu minute parenchymatico fuligineo; stylosporis cylindraceis utrinque obtuse rotundatis, 15–18 × 5, 3-septatis, ad septa vix constrictis, fuligineis.

Hab. in culmis emortuis Arundinis Donacis Patavii, Martio 1875, socio *Lophiostomate hygrophilo* Sacc., quocum forte metagenetice connexa est.

Obs. Cum *Hend. donacina* Mtgn. non comparanda.

374. **Hendersonia pura** Sacc. Peritheciis remote gregariis subcutaneis, globoso-depressis, papillulatis atris; stylosporis ovato-oblongis, initio stipitellatis, continuis, hyalinis, dein 2-(raro 3-) septatis, 16–18 × 7, loculis extimis subhyalinis medio v. mediis fuligineis, ad septa vix constrictis.

Hab. in caule putrescente Lilii candidi *a Selva*, Oct. 1874.

Obs. Ex hac sectione sunt quoque *H. elegans* Bk., *H. eustoma* Sacc., *H. arenaria* Sacc., *H. riparia* Sacc. jam enumeratæ.

B. In Dicotyledoneis parasiticæ

* Fructicolæ.

375. **Hendersonia lagenaria** Sacc. M. V. n, 99. Peritheciis gregariis, globulosis, majusculis, epidermide velatis, depresso–papillatis, hyphulis basi vestitis; stylosporis oblongo–fusoideis, initio stipitellatis, continuis, hyalinis, dein 3– (raro 2–) septatis, 20–22 × 7, fuligineis, loculis extimis paulo pallidioribus.

Hab. in epicarpio putri Lagenariæ vulgaris *a Padova*, Jan. 1876.

Obs. Verisimiliter *Sphæria mucosa* Kx Fland, I. 345 n. 48 (non Pers., nec Fckl.) huc spectat.

376. **Hendersonia fructigena** Sacc. Peritheciis sparsis erumpentibus e globoso depressis, papillulatis, contextu minute parenchymatico dilute fuligineo; stylosporis cylindraceis initio stipitellatis, 23–25 × 6, 3–septatis, ad septa leniter constrictis, minute guttulatis, dilute fuligineis, stipitibus stylosporâ brevioribus.

Hab. in ramis arescentibus Cerasi Patavii, Julio 1874, raro.

** Cladogenæ.

377. **Hendersonia Tecomæ** Sacc. peritheciis (genuinis ? epidermide tumidula et nigrificata velatis, globosis, breviter papillatis; stylosporis ovato–oblongis, rectis v. curvulis, 8–11 × 5, initio continuis stipiteque brevissimo conico hyalino fultis, dein 3-septatis, non constrictis, dilute fuligineis.

Hab. in ramis Tecomæ radicantis *a Conegliano* Apr. 1776 (Spegazzini).

378. **Hendersonia Fiedleri** (Rabh.) West. – *H. Corni* Fckl., Sacc. Myc. Ven. p. 200.

Hab. in ramulis Corni sanguineæ *a Selva*, Aut. 1875, rarius.

Obs. Stylosporæ stipitatæ, oblongæ, 15–18 × 4, 3–septatæ, fuligineæ, loculo infero hyalino – *H. Fiedleri* in Rabh. F. E. n. 1847 est p. p. *Pestalozzia Veneta* * *P. tricuspis* Sacc.

379. **Hendersonia pulchella** Sacc. (*non* Myc. Ven.) – *H. macrospora* Sacc. Mycol Ven. 199, t. XVII f. 24 *non* Bk. & Br. Peritheciis innato-prominulis, globulosis, breviter papillatis, atris.

1. *Sambuci nigræ:* stylosporis elongato-fusoideis, rectis curvulisve, 7–9-septatis, 30 × 6, luteolis, dein obscurioribus.
2. *Galiorum:* stylosporis 7-septatis, 30 × 5, fuligineis.
3. *Saponariæ:* stylosporis 9–10-septatis, 40 × 5, olivaceo-fuligineis.
4. *Xylostei:* stylosporis 9–11-septatis, 45 × 4, fuligineis.
5. *Lychnidis dioicæ:* stylosporis 9–10-septatis, 45 × 4½, fuligineis.

Hab. in eorumdem ramis in agro Tarvisino et Patavino, vere et aut. 1873-76.

Obs. Hend. pulchella Mycol. Ven. p. 200, ut monui, ad *H. macrosporam* B. & Br. spectat.

380. **Hendersonia Sambuci** Müll. (sec. esempl. Winteri in meo Herbario).

Hab. in ramis corticatis Sambuci nigræ *a Selva,* Sept. 1876.

Obs. Stylosporæ oblongo-fusoidæ, 10–12 × 3, 1–3-septatæ, olivaceo-fuligineæ.

381. **Hendersonia quercina** Sacc. Peritheciis ligno immersis, globulosis, atris; stylosporis cylindraceo-oblongis, utrinque rotundatis, 16–18 × 3½–4, rectis v. leniter curvis, initio continuis guttulatis; dein 3-septatis, non constrictis, olivaceo-fuscis, denique e perithecio expulsis lignumque olivaceo-fœdantibus.

Hab. in ligno putrescente quercino *a Selva,* Apr. 1873, rarius.

382. **Hendersonia Heraclei** Sacc. Peritheciis sparsis, subcutaneo-erumpentibus, globosis, majusculis papillatis, atris; stylosporis cylindraceis, utrinque rotundatis, 20–22 × 5, rectiusculis, initio 4-guttulatis, dein 3-septatis, non constrictis, olivaceo-lutescentibus.

Hab. in caulibus Heraclei Sphondylii putrescentibus *a Selva,* Oct. 1873, socio *Acrothecio caulium* Sacc. F. ital. t. 9 et Michelia I. 75.

383. **Hendersonia fusarioides** Sacc. M. V. n. 998.

Peritheciis e peridermio dealbato erumpenti-superficialibus atris, globulosis vel (collabescendo?) subcupularibus, epapillatis; stylosporis in basidiis ramosis furcatisve acrogenis, fusiformibus, 35–38 × 4–5, subinæqualibus, curvulis, 3–5–septatis, pallide fuligineo-olivaceis, loculis extimis hyalinis.

Hab. in cortice duriore Robiniæ Pseudacaciæ *a Conegliano,* Majo 1876 (Spegazzini).

Obs. Species *Hendersoniæ Arcu* B. & Br. cognata, at contextu fuligineo nec cœruleo, stylosporis subolivaceis, sæpius 5–septatis distincta. – *Sphæriam*, quam in prædicto N. 998 Mycoth. Venetæ cl. Cooke (Cfr. Grevillea, No. 37, p. 31) se observavisse notat, reperire non contigit. Tantum *H. ndersoniam fusarioidem* vidi.

384. **Hendersonia sarmentorum** West., Sacc. Mycol. Ven. p. 200.

Sequentes formas in agro Tarvisino et Patavino observavi.

1. *Hederæ Helicis:* stylosporis ellipsoideis, 3-septatis, 10 × 5, fuligineis.
2. *Aceris campestris:* stylosporis ut supra, 12 × 4.
3. *Ailanthi glandulosæ* (in petiolis): stylosporis ut supra, 11 × 4.
4. *Lauri nobilis:* stylosporis ut supra, 10–12 × 4½–5.
5. *Ampelopsidis hederaceæ:* stylosporis ut supra, 10–11 × 5.
6. *Salicis vitellinæ:* stylosporis ut supra, 10–12 × 4.
7. *Berberidis vulgaris:* stylosporis ut supra, 10–12 × 4–5.
8. *Populi nigræ* (in ligno): stylosporis ut supra 10–11 × 5.
9. *Jasmini officinalis:* stylosporis ut supra, 10–12 × 4–4½.
10. *Calycanthi floridi:* stylosporis ut supra, 12 × 4.

385. **Hendersonia Rubi** West. (ut var. *H. sarmentorum*).

Hab. in sarmentis Rubi fruticosi in Euganeis, Martio 1876.

Obs. Affinis *H. sarmentorum* West. sed stylosporæ 12–18 × 5–6, 3–septatæ, fuligineæ, loculo infimo pellucido.

386. **Hendersonia Desmazierii** Mtgn. (1848-49). *Steganosporium Platani* Preuss (1853) – Pycnid. *Massariæ Platani* Ces.

Hab. in ramis corticatis Platani orientalis *a Padova*, Aut. 1876.

Obs. I. Stylosporæ obovatæ 40 × 20, olivaceæ, 4–nucleatæ, basidiis brevibus oblongis, conoideisve hyalinis fultæ.

Obs. II. Ex hac sectione sunt quoque *Hendersonia ichthyospora* Sacc. F. Magn. n. 18., *H. biseptata* Sacc. F. it. tab. 96 et *Hend. vagans* Fckl., Sacc. Mycol. Ven. p. 199.

*** Foliicolæ.

387. **Hendersonia foliorum** Fckl., Sacc. Mycol. Ven. p. 200.

Obs. Stylosporæ ovoideæ, 15 × 7, 3–septatæ, olivaceæ, loculis extimis pallidioribus.

388. **Hendersonia Alcides** Sacc. Maculis foliorum arescendo candicantibus fusco-cinctis, subcircularibus; peritheciis epiphyllis punctiformibus, atris; stylosporis oblongo-ellipsoideis, utrinque rotundatis, 11 × 6–7, 3–septatis, ad septa nonnihil constrictis, fuligineis.

Hab. in foliis Populi nigræ *a Vittorio*, Oct. 1873.

Obs. Affinis *Hendersoniæ pyricolæ* Sacc.

389. **Hendersonia rupestris** Sacc. & Sp. Maculis amphigenis subcircularibus, sinuosisque, arescendo candidis, fulvo-elevato-marginatis; peritheciis lenticularibus, punctiformibus, 100–110 micr. diam., late pertusis, contextu tenui membranaceo, celluloso, dilute fuligineo; stylosporis, oblongo-fusoideis, 17–22 × 4½–6, curvulis, 3–septatis, ad septum medium constrictis, dilute olivaceis.

Hab. in foliis Capparidis rupestris *a Susegana*, Oct. 1877 (Spegazzini).

390. **Hendersonia Dulcamaræ** Sacc. Maculis arescendo dealbatis, subcircularibus; peritheciis punctiformibus, paucis, lenticularibus, atris; stylosporis cylindraceis, 14 × 4, rectiusculis, 3–septatis, non constrictis, olivaceis.

Hab. in foliis Solani Dulcamaræ *a Selva*, Aug. 1873.

391. **Hendersonia Magnoliæ** Sacc. Maculis arescendo candicantibus, irregularibus, brunneo-marginatis; peritheciis remote sparsis, punctiformibus, globoso-lenticularibus, diam. 150 micr., pertusis; stylosporis oblongo fusoideis, 12–15 × 3–3½, utrinque acutiusculis, 3–septatis, non v. paululum ad septum medium constrictis, dilute olivaceis.

Hab. in foliis languidis Magnoliæ grandifloræ Tarvisii, Aug. 1874.

392. **Hendersonia corylaria** Sacc. Maculis amplis variis, arescendo subochraceis brunneo-cinctis; peritheciis punctiformibus, nigris; stylosporis obovatis, deorsum acutiusculis apice subrotundatis, 12 × 7, 3–septatis, ad septa non (sed paululum tandem ad medios loculos) constrictis, dilute fuligineis.

Hab. in foliis languidis Coryli Avellanæ *a Selva*, Aug. 1874.

* **Hendersonia acericola** Sacc. Maculis subcircularibus, subochraceis: peritheciis lenticularibus, 80 micr. diam., pallide melleis; stylosporis oblongis, 8–10 × 4, utrinque obtusiusculis, chlorinis, basidiis brevissimis suffultis.

Hab. in foliis Aceris campestris *a Selva*, Sept. 1877.

Obs. Ex hac sectione sunt quoque *Hend. Terminalis* Sacc. M. V. n. 513, F. Ven. Ser. V. 207, *H. Oleæ* (DC.) Dmz., Sacc. F. Ven. Ser. V. 207, et *H. pyricola* Sacc. F. Ven. Ser. II n. 30 et Ser. V. p. 207 et in Rabh. F. E. n. 2155.

Melaneonieæ Cda, em. Bk.

Glœosporium Dmz. & Mtgn. in Syll. Crypt. p. 195.

* *Euglœosporium:* conidiis continuis.

393. **Glœosporium sphærelloides** Sacc. M. V. n. 1096., F. it. t. 85., Michelia I. pag. 92.

Obs. Conidia ovato-oblonga, 10–12 × 5–6, basidiis longis septulatis suffulta.

394. **Glœosporium affine** Sacc. M. V. 972., Fung. novi Magn. n. 37.

Obs. Conidia cylindraceo-oblonga, 14–20 × 4–6, basidiis brevibus continuis. Ab hoc probabiliter vix differt *Gl. cinctum* B. & C. (Grev. n. 25 p. 13).

395. * **Glœosporium macropus** Sacc. A *G. affine* recedit basidiis filiformibus multo longioribus, nempe 40–60 × $2^1/_2$–4, quandoque sub-ramulosis visis; conidiis oblongis, curvulis, 15–20 × 4–5, granulosis, hyalinis.

Hab. in foliis Hoyæ carnosæ in Horto Patavino, Oct. 1876.

396. **Glœosporium fructigenum** Bk., Sacc. F. Ven. novi vel cr. Ser. V. 202.

Obs. Conidia oblonga, subinæqualia, 20–30 × 5–6, basidiis subæquilongis, continuis suffulta.

397. **Glœosporium Lindemuthianum** Sacc. & Magnus in Sacc. Fungi novi Magnusiani n. 36.

Obs. Conidia oblonga, 16–19 × $4^1/_2$–$5^1/_2$, basidiis duplo longioribus continuis suffulta.

398. **Glœosporium tubercularioides** Sacc. Fungi novi Magnus. n. 40.

Obs. Conidia ovato-oblonga, 12–15 × 5–7, basidiis breviusculis simplicibus, ramosisque suffulta.

399. **Glœosporium alpinum** Sacc. Fungi Magnus. n. 39.

Obs. Conidia oblongo-cylindracea, 14–15 × 3–4, basidiis brevibus oblongis suffulta.

400. **Glœosporium ampelophagum** (Pass.) Sacc., Vajolo d. viti in «Riv. Vitic. ed Enol. ital.» 1877 p. 494 – *Ramularia ampelophaga* Pass. – *Phoma uvicola* Arcang. p. p., non B. & Br. Maculis seu pustulis subcircularibus, sæpe confluentibus, baccarum epidermidem strataque corticalia occupantibus et arescendo indurantibus atque rufo– vel fuligineo-nigrificantibus, ad centrum (e conidiis exsilientibus) griseo– vel roseo-pruinosis; acervulis sub epidermide nidulantibus minutis dense gregariis, strato proligero pulvinato minute parenchymatico, hyalino v. dilute fumoso, cellulis superficialibus vertice breve apiculato sporigeris; conidiis ex oblongo ellipsoideis v. ovoideis, 5–6 × $2^1/_2$–$3^1/_2$, 2–guttulatis, hya-

linis, mox acervatim erumpentibus pustulæque superficiem conspergentibus.

Hab. in baccis plurium varietatum, præcipue fructu albo, Vitis viniferæ, quas maculat, deformat, corrumpit in toto agro Veneto, copiosius in planitie, Aest. et Aut. 1877. Formam in foliis ramulisque Vitis degentem, a Passerinio descriptam, ipse quoque nuperius legi *a Selva* et *a Vittorio*, sed parcissime.

Obs. In iisdem *Glœosporii* pustulis quandoque observavi *Fusisporium Zavianum* Sacc. F. ital. t. 44 nec non *Tubercularium ampelophilum* Sacc. Vaj. Vit. l. c. p. 494, utrumque probabiliter cum *Glœosporio* metagenetice conjunctum.

401. **Glœosporium Platani** (Mtgn.) Oud., *Fusarium Platani* Mtgn., *Fusarium nervisequum* Fckl.

Hab. in pag. inferiore foliorum Platani orientalis Patavii, Aestate 1876 et Aut. 1877.

Obs. Conidia obovato-pyriformia, 14–15 × 5–6, minute pluriguttulata, hyalina, basidiis filiformibus, 5–6 micr. lgs fulta.

402. **Glœosporium Fagi** West. Not. VII. p. 12. (ante 1859), Oudem. Mat. Myc. Néer. II. p. 29 t. X. fig. 15. *Glœosp. exsiccans* Thm. Symb. Mycol. Austr. I. n. 7 (1877), *non Glœosp. Fagi* Fckl. Symb. App. I. 52 (1871), quod *Glœosporium Fuckelii* nomine jure meritoque salutandum.

Hab. in pag. inferiore foliorum Fagi sylvaticæ in Horto Patavino, Oct. 1877 (G. Bizzozero).

Obs. Maculæ subcirculares in foliorum pagina superiore fuscescentes, in pagina inferiore olivaceo-virentes. Acervuli minuti, prominuli, submellei. Conidia oblongo-ovoidea, rarius subrhombea, 15–20 × 7–8, minute 2–3-guttulata, hyalina, basidiis fasciculatis, cylindraceis, conidii dimidiam longitudinem subæquantibus, suffulta.

403. **Glœosporium Tiliæ** Oud. Mat. Myc. Néer. II. 31, t. X, f. 20.

Hab. in foliis Tiliæ grandifoliæ Patavii, Oct. 1876.

Obs. Conidia continua ovoideo-oblonga, 12–15 × 5–7, nubilose hyalina.

404. **Glœosporium Robergei** Dmz., Sacc. Fungi Ven. Ser. V. 202.

Obs. Conidia ellipsoideo-oblonga, 12–15 × 9, dilutissime fumosa.

405. **Glœosporium Orni** Sacc. Maculis variis arescendo subochraceis fusco-cinctis; acervulis subcircularibus epidermide (pseudo-perithecio) nigrificata, dein rimose (?) dehiscente velatis; conidiis oblongis utrinque acutatis, 7–8 × 3, stipitellatis, ad medium subconstrictis, 2–nucleatis, hyalinis.

Hab. in pag. super. folior. Fraxini Orni *a Covolo,* Aug. 1874.

406. **Glœosporium Ribis** (Lib.) Mtgn. & Dmz., Sacc. M. V. n. 523 et F. Ven. Ser. V. 202.

Obs. Conidia oblonga, curvula, 10 × 5–6, apice subrostrata hyalina.

407. **Glœosporium paradoxum** (DNtrs) Fckl. Symb. p. 277. *Myxosporium paradoxum* DNtrs Micr. ital. II. 10.

Hab. in foliis Hederæ Helicis, socio statu ascoph. *Trochila Craterio,* (DC.) Fr., æstate 1877.

Obs. Acervuli succinei, epidermide velati, amphigeni. Conidia ovoidea, basi subtruncata, 8 × 5–6, hyalina, basidiis cylindraceis, 12–15 × 6, fasciculatis, hyalinis suffulta.

408. **Glœosporium tineum** Sacc. M. V. n. 973. Maculis arescendo pallidis, variis; acervulis hypophyllis, subochraceis, epidermide velatis; conidiis cylindraceis curvatis, 20–25 × $2^1/_2$–$3^1/_2$, guttulatis hyalinis, basidiis filiformibus 15 lgs, fuscidulis suffultis.

Hab. in foliis Viburni Tini *a Selva,* Aug. 1876.

409. **Glœosporium Populi albæ** Dmz. XXIV Not. (1857) p. 3. – *Leptothyrium circinans* Fckl. – *Glœosporium Tremulæ* Pass. in Rabh. F. E. n. 1880 – *Gl. circinans* (Fckl.) Sacc. M. V. n. 966.

Hab. in pag. sup. foliorum Populi albæ *a Vittorio,* Oct. 1875.

Obs. Conidia cylindraceo-fusoidea, 12–14 × $2^1/_2$–3, hyalina.

410. **Gloeosporium cylindrospermum** (Bonord.) Sacc. M. V. n. 969. *Leptothyrium cylindrospermum* Bon., Fckl. Symb. 120.

Hab. in pag. superiore foliorum Alni glutinosæ *a Selva*, Oct. 1876.

Obs. Conidia cylindraceo-fusoidea 10–15 × $2^1/_2$–3, recta v. leniter curva hyalina.

411. **Gloeosporium Carpini** (Lib.) Dmz., Sacc. M. V. n. 524., F. Ven. Ser. V. 202.

Obs. Conidia cylindrica, falcata, 10–15 × $^1/_2$, hyalina.

** *Marsonia* Fisch.: conidiis 1–septatis.

412. **Gloeosporium Populi** (Lib.) Mtgn. & Dmz., Oud. Mat. Neer. II. 29, t. X, f. 17. – *Leptothyrium Populi* Lib. Ard. 257., Dmz. Pl. crypt. XIII Not. (1846) p. 67. – *Asteroma labes* Bk. – *Gloeosporium labes* B. & Br., Cooke Hndb. 474. – *Gloesp. Berkeleyi* Mtgn. Ann. Sc. nat. 1849 XII. 296.

Hab. in pagina superiore foliorum Populi nigræ *a Selva*, Aug. 1877.

Obs. Conidia subpyriformia, 20 × 12, 1–septata, hyalina. – *Gloeosporium Castagnei* Mtgn. Syll. 195 huic valde affine videtur.

413. **Gloeosporium Juglandis** (Lib.) Mtgn. M.V. n. 522 (f. *Jugl. regiæ*) et n. 967 (f. *Jugl. nigræ*), Fungi Ven. Ser. V. 202.

Obs. Conidia fusoidea, 20–25 × 5, incurva, apice subrostrata, 1–septata, hyalina.

414. **Gloeosporium Potentillæ** Dmz. & Oud., *Phyllosticta Potentillæ* Dmz. (1847), *Leptothyrium Dryadearum* Dmz., *Septoria Potentillarum* Fckl., *Marsonia Potentillæ* Fisch in Rabh. F. E. n. 1857. – Stat. spermog. *Venturiæ Potentillæ* (Sow.) Sacc. M. V. n. 694.

Obs. Conidia oblongo-fusoidea, 22 × 8, falcata, apice subrostrata, 4–guttulata, hyalina.

415. **Glœosporium Thomasianum** Sacc. Fungi novi Magnus. n. 38.

Obs. Conidia ovato-oblonga, constricto-didyma 25–30 × 12–15, hyalina.

416. **Glœosporium Pisi** (Lib). Oud. Contrib. mycol. I, 19 & 33., *Ascochyta Pisi* Lib., *Ascospora Pisi* Fckl., *Septoria Leguminis β Pisi* Kx.

Hab. in leguminibus Pisi sativi *a Conegliano*, Iunio 1876 (Spegazzini).

Obs. Conidia oblonga, 1–septato-didyma, 14–16 × 6, hyalina.

417. **Glœosporium truncatulum** Sacc. M. V. n. 971. Maculis arescendo ochraceis, variis; acervulis gregariis hypophyllis e rotundo angulosis, fulventibus vix prominulis; conidiis obovoideis, 8–10 × 4–5, 1–septatis, loculo superiore crassiore, inferiore truncato, viridulis.

Hab. in foliis languidis Aceris Negundinis *a Conegliano*, Majo-Iunio 1876 (Spegazzini), nec non Aceris campestris *a Selva*, Sept. 1877.

Obs. Suspicor speciem hanc eamdem esse ac *Didymosporium Aceris* (Lib.) Mtgn. h. e. *Cheilaria Aceris* Lib. seu *Ascochyta Aceris* (Lib.) Fckl. Sec. Hoffm. Ind. 49 cum hac specie quoque synonyma sunt *Depazea Aceris* Dmz., *Dep. acericola* Dmz., *Sphæria acericola* Duby; exemplaria vero et descriptio completa mihi desunt. *Phyllosticta destruens* f. *Negundinis* Thüm. F. A. n. 1284 (nec Dmz.) huc pertinet.

*** *Septoglœum:* conidiis 2–pluriseptatis.

418. **Glœosporium carthusianum** Sacc. M. V. n. 970, Fungi ital. tab. 86 et Michelia I. 93.

Obs. Conidia oblongo-cylindracea, 30 × 9–12, 2–septata, hyalina.

FUNGI COPROPHILI VENETI

AUCTORE

CAROLO SPEGAZZINI

PUGILLUS I.

Pyrenomycetes.

SPHÆRIACEÆ Fr. em.

Phæosporæ Sacc.

Chætomium Kze.

1. **Chætomium comatum** (Tod.) Fr., Sacc. Myc. Ven. Spec. pag. 91. var. **helicotrichum**; a typo setis sursum circinatis recedit, quo charactere ad *Ch. murorum* Cda vergit.

   Hab. in fimo vaccino *a Selva*, Oct. 1877.

2. **Chætomium stercoreum** Speg. Peritheciis dense gregariis v. hinc inde sparsis, superficialibus v. subimmersis, ovoideo-pyriformibus, undique setis strigosis, ad verticem longioribus atque densioribus vestitis, perithecii contextu laxe parenchymatico fuligineo; setis basi bulboso-incrassatis, primitus ubique muriculatis dein lævibus, remote septulatis, fuligineis sursum pallidioribus; ascis oblongo-ellipsoideis, apice acutato-rotundatis, deorsum stipitato-attenuatis, part. sporif. 60–70 × 16–22, stipite 40–50 × 7–8, octosporis; sporidiis limoniiformibus utrinque acutiusculis, primitus 8–9 × 6–7, tandem 15 × 10, jugiter hyalinis, luce refracta centro dilutissime chlorino-nucleatis, lævibus.

   Hab. in stercore canino udo *a Conegliano* et *Vittorio*, Sept. Oct. 1877.

   Obs. Sporidiis jugiter hyalino-chlorinis species prædistincta et propter hoc a genere desciscens.

Sordaria Ces. & DNtrs.

* Sporidiis exappendiculatis, muco obvolutis.

A. Sporidis monostichis v. submonostichis.

a. Ascis octosporis.

3. **Sordaria humana** (Fckl.) Awd., Wint. Sord. p. 21. *Sphæria humana* Fckl. Rhen. n. 1801. *Hypocopra humana* Fckl. Symb. Myc. 241.

Hab. in stercore humano putrescente *a Conegliano*, Aut. 1877.

Obs. Perithecia ovoideo-pyriformia, vertice acutata, inque ostiolum abrupte truncatum, umbilicatum desinentia, 280–380 diam., nunc subsolitaria, nunc dense gregaria, modo superficialia, modo semiimmersa, primitus ob hyphas conidiophoras velutino-cinerea, dein atro-ubique tuberculata; contextu membranaceo, laxe parenchymatico fuligineo, circa ostiolum densiore, atro. Asci cylindracei breve crassiuscule stipitati, initio apice rotundati, dein truncati, lumineque unifoveolato, octa, spori, 180–200 × 20–25. Sporidia monosticha, subsphærica, v. ellipsoidea, 20–25 × 10–15, primo hyalina, dein fusco-flavida, tandem penitus opaco-fuliginea, guttulâ ocellatâ, majusculâ instructa, muco facillime solubili obvoluta – Hyphæ conidiophoræ (*Sporotrichum humanum*) perithecia juvenilia obtegentes, repentes, ramosæ confluentesque, 4 micr. cr., remote septulatæ dilute fuligineæ, hinc inde assurgentes apiceque conidia oblonga v. ovoidea, 6–7 × 5–6½, hyalina, raro 2-guttulata gerentes – In peritheciorum vicinia observavi *Fusarii* speciem (an *Sordariæ* statum macroconidicum?), sic definiendam: *Fusarium rostratum* Speg. Acervulis minutis versiformibus, 80–100 micr. diam., superficialibus, dilute flavido-roseis; conidiis in sterigmatibus brevissimis (10–15 × 2–2½) simplicibus ex hyphis repentibus fasciculatim oriundis, acrogenis, fusoideis, 2–3-septatis, non constrictis, 30–50 × 4½–6, loculo imo valde elongato rostriformi, e hyalino dilute aurantiacis.

4. **Sordaria fimicola** (Rob.) Ces. & DNtrs, Sacc. F. Ven. Ser. VI, p. 26. *Sphæria equina* Fckl. Rhen. n. 1802. *Hypocopra stercoraria* Fckl. Symb. myc. 241. *Sordaria conferta* Awd. Mspt.

Hab in fimo vaccino, equino et canino *a Conegliano* et in leporino *a Selva*, Aut. 1876–77.

Obs. Perithecia subglobosa, vertice acutata, inque ostiolum breve crassumque desinentia, 300–360 cr. 400–450 alt., dense gregaria, primo immersa dein semiimmersa v. superficialia, hyphis raris repentibus cincta, lævia, atra, contextu parenchymatico, membranaceo, fuligineo, circa ostiolum densiore, atro. Asci cylindracei, apice vix attenuati, obtusiuscule rotundati, lumine uni-foveolati, 230–260 × 25–28, breve crassiuscule stipitati pseudoparaphysibus raris obvallati, octospori. Sporidia monosticha, subsphærica v. ellipsoidea, 30–32 × 20–22, primo hyalina, dein sordide flava, tandem opace fuliginea, strato mucoso hyalino perexiguo facillime solubili obvoluta – Hyphæ conidiophoræ (*Sporotrichum fimicola*) perithecia juvenilia obducentes, ramoso-connexæ, 3–4 micr., remote septulatæ, dilute fuligineæ, hinc inde adsurgentes apiceque conidia oblongo-cylindracea, 15–16 × 6, raro 2-guttulata, hyalina gerentes.

5. **Sordaria merdaria** (Fr.) Awd., Wint. Sord. p. 13. *Sphæria merdaria* Fr. Elench. II. 100. *Coprolepa merdaria* Fckl. Symb. 240.

Hab. in fimo ovino exsiccato *a Conegliano*, Sept. 1877.

Obs. Perithecia totaliter immersa, majuscula, globosa, 700–800 diam., extus albido-grisea, subtomentosa, nucleo atro-fuligineo mucoso; ostiolo cylindraceo brevi matricis superficiem attingente et circum circa zona atra stromatica cincto. Asci cylindracei, apice obtusiuscule rotundati, 220 × 25–32, subsessiles sinuosi, paraphytibus filiformibus remote septulatis, duplo longioribus obvallati, octospori. Sporidia oblongo-ellipsoidea, utrinque obtusiuscula, 36–40 × 20–22, primo hyalina, dein sordide flava, tandem fuliginea (raro simulate 1-septata) strato hyalino mucoso persistente obvoluta.

** Sporidiis appendiculatis, strato mucoso destitutis.

§ Ascis 4–8–sporis

A. Sporidiis monostichis v. subdistichis.

a. Ascis octosporis.

6 **Sordaria leucotricha** Speg. Peritheciis gregariis, superficialibus, globosis, 250–350 micr. diam., pilis longissimis, remote septatis, 3–4 micr. cr. oblongo-hyalinis obvolutis; ostiolo vix prominulo late pertuso; contextu tenui-membranaceo, parenchymatico, flavo-fuscidulo; ascis cylindraceis apice obtuse rotundatis, breve stipitatis, 210–220 × 20–25, aparaphysatis, octosporis; sporidiis oblique monostichis subsphæricis v. ellipsoideis, 30–32 × 18–28, late fuligineis, crasse subhyalino–1–nucleatis, caudâque conicâ sæpe curvulâ, 7–8 × 5, auctis.

Hab. in ramulis putridis Sambuci nigræ *a Conegliano*, Sept. 1877.

7. **Sordaria lanuginosa** (Pr.) Sacc. Fung. Ven. Ser. VI. p. 26.

Hab. in caulibus ramisque putridis Helianthi, Saponariæ, Ulmi et Sambuci *a Selva* et *Conegliano*, aut. et æst. 1876 (Saccardo & Spegazzini).

Obs. Perithecia majuscula, globoso-conoidea, sæpe curvula, vertice subtruncata, sordide grisco-tomentosa, superficialia. Asci cylindracei, 200–220 × 25–26, apice obtuse rotundati, octospori; sporidia oblique monosticha, ovato-ellipsoidea, 40–50 × 24, opace fuliginea, utrinque v. basi tantum caudâ hyalinâ deciduâ aucta.

8. **Sordaria curvula** de Bary, Sacc. Fungi Ven. Ser. VI. p. 26.

Hab. in fimo vaccino et equino *a Selva*, *Conegliano*, *Vittorio*, Aut. 1876–77.

Obs. Tuberculi peritheciorum distincte papillati. Asci cylindracei longe stipitati, 180–200 × 18–22, apice rotundati, octospori. Sporidia ellipsoidea, 22–25 × 14, opace fuliginea, caudâ hyalinâ cylindricâ curvulâ aucta.

b. Ascis tetrasporis.

9. **Sordaria anserina** (Rabh.) Wint. Sord. 35., Sacc. F. Ven. V. p. 178. *Malinvernia anserina* Rabh. *Hypocopra anserina* Ces. in litt.

Hab. in stercore anserino nec non ovino, vaccino et equino *a Conegliano*, cuniculorumque *a Selva*, Aut. 1876–77, frequens.

Obs. Perithecia semiimmersa, majuscula, globoso-conoidea, hyphis repentibus conidiophoris basi cincta, verticeque setis rigidulis ex hyphis coalitis fuligineis instructa; contextu parenchymatico fuligineo, in forma *anserina* subcarbonaceo, in forma ovina et equina submembranaceo. Asci fusoideo-clavati part. spor. 160–180 × 30–32, stip. 110–115 × 8–9, tetraspori. Sporidia monosticha ovato-ellipsoidea, obtusiuscula, 40–42 × 24, opace fuliginea, caudâ hyalinâ, 35–5, donata.

B. Sporidiis distichis.

a. Ascis octosporis.

10 **Sordaria fimiseda** Ces. & DNtrs. Wint. Sord. p. 25. *Podospora fimicola* Ces., *Cercophora fimiseda* Fckl.

Hab. in fimo equino *a Colfosco* et vaccino *a Conegliano*, Sept. 1877.

Obs. Pulcherrima species. Perithecia superficialia ovoideo-conica, majuscula, undique pilis fuligineis sursum pallidioribus, 80–100 × 5, vestita; contextu membranaceo. Asci longiuscule stipitati, oblongo-fusoidei, apice acutiusculi, p. sp. 350–400 × 70–80, stip. 150–200 lgo. Sporidia octona plerumque disticha, interdum tamen deorsum monosticha, elliptico-ovata, 60–70 × 30–36, basi duabus caudis hyalinis ornata, altera cylindraceo-clavulata, 55 × 5, persistente, altera vero fusoidea tortuosa, 100 × 10, facillime decidua.

Quandoque cauda tertia in apice sporidiorum accedit, cylindraceo-circinata, 100–120 × 15, hyalina.

11. **Sordaria decipiens** Wint. Sord. p. 28. *S. lanicisperma* Fckl. in litt.

Hab. in fimo vaccino *a Conegliano* et cuniculorum *a Selva*, Aut. 1877.

Obs. Perithecia semiimmersa v. immersa, quandoque hyphis fuligineis, continuis, 4 micr. cr. cincta, ostiolo longe exerto. Asci oblongo-fusoidei, p. spor. 160–200 ≈ 45–50, stipitati, stip. 80–100 lgo, vertice obtuse attenuati. Sporidia elliptico-ovoidea, 38–43 ≈ 20–26 opace fuliginea, basi caudâ cylindro-clavulatâ, 40 ≈ 8, lobulatâ instructa, apice caudiculis duabus, subliberis perfecte circinatis, indeque sæpius unicam simulantibus ornata.

12. **Sordaria coprophila** Ces. & DNtrs., Wint. Sord. p. 26. *Sphæria coprophila* Fr. S. M. II. 342. *Hypoxylon coprophilum*. Fr. Summa 384, *Cercophora mirabilis* Fckl. Symb. myc. 245.

Hab. in fimo vaccino nondum exsiccato *a Conegliano*, Aut. 1876–77.

Obs. Asci longe stipitati, cylindraceo-fusoidei, p. s. 150–180 ≈ 20, stip. 80–100 lgo, vertice abrupte truncati, paraphysati, octospori. Sporidia disticha, ovata, 22–24 ≈ 12–16, opace fuliginea, caudâ longâ, 40–50 ≈ 5, ornata. Sporidia matura in ascis numquam vidi, sed semper cylindracea, 60–65 ≈ 5, hyalina, quandoque extra ascos spurie 1-septata, talia tamen imperfecte matura.

§§ Ascis polysporis.

13. **Sordaria zygospora** Speg. Peritheciis gregariis superficialibus, v. basi fimo insculptis, ovato-pyriformibus 400–450 alt., 200–220 cr., in collum breve truncatum desinentibus, undique hyphis fuligineis, 3 micr. cr. non septatis strigose vestitis; contextu parenchymatico atro-fuligineo; ascis cylindraceis, 300 ≈ 40, deorsum longiuscule attenuato-stipitatis, vertice obtuse rotundatis, crassiuscule tunicatis, paraphysibus filiformibus obvallatis, duodecim-sporis; sporidiis distichis, ovato-ellipsoideis, basi truncatulis, 40 ≈ 20–25, opace fuligineis, interdum 1–2-guttatis, filamento longissimo, 70–100 ≈ 5–6, hyalino, vermiculari, subtortuoso, per paria longitudinaliter connexis.

Hab. in fimo vaccino vetusto udo *a Conegliano*, Sept. 1877, rarissime.

Obs. Forma prædistincta atque singularis, a ceteris deflectens. Filamentum quandoque utrinque fuscidulum.

14. **Sordaria plejospora** Wint. Sord. p. 29. *S. Langei* Fckl. in litt.

Hab. in fimo equino *a Colfosco* et cuniculorum *a Selva*, Sept. 1877.

Obs. Contextus peritheciorum tenuissime membranaceus, fusco-fuligineus. Asci magni oblongo ovoidei, saccati, p. s. 300 × 65–70, stipitati stip. 100–110, lgo, apice attenuati, 40–60–spori. Sporidia opace atro-fuliginea, ovoideo-limoniiformia, 32–35 × 15–20, initio basi caudâ hyalinâ, 15 × 5, aucta, apice appendiculâ deciduâ, 45 × 7–8, donata, dein mutica.

15. **Sordaria setosa** Wint. Sord. p. 33.

Hab. in fimo vaccino et equino *a Conegliano* et *Colfosco* et cuniculorum *a Selva*, Sept. 1877.

Obs. Perithecia immersa e globoso pyriformia, majuscula in ostiolum crassum, breve et circum circa undique penicillato–setulosum producta. Asci fusoideo-subnaviculares, in stipitem brevem attenuati, apiceque acutati, 300 × 70–75, aparaphysati, 100–128–spori. Sporidia ellipsoidea, 25 × 15, opace fuliginea, caudis duabus deciduis hyalinis ornata, inferiore longissima, 55 × $2^1/_2$, superiore parvula, 15 × $2^1/_2$, curvulaque.

16. **Sordaria curvicolla** Wint. Sord. p. 34.

Hab. in fimo cuniculorum *a Selva*, Sept. 1877.

Obs. Asci ovato–saccati, 250–300 × 100, vertice obtusati, basi breve crassoque attenuato-stipitati, paraphysati 100–140–spori. Sporidia ellipsoidea, 14–18 × 9–12, atro-cyanea dein opace fuliginea, caudâ minusculâ, 10–15 × $2^1/_2$,–$3^1/_2$, hyalinâ aucta.

Rosellinia DNtrs.

17. **Rosellinia Winteriana** Speg. Peritheciis superficialibus v. basi tantum immersis, subglobosis, ostiolo parvulo conoideo, undique glabris, 200–250 micr. diam.;

contextu subcarbonaceo atro-fusco; ascis cylindraceis, vertice rotundatis, 140 × 10–14 (p. s. 80–90 × 10–14, stip. 50–60 lgo) basi attenuato-stipitatis, paraphysibus subclavulatis obvallatis, octosporis; sporidiis oblique monostichis, ellipsoideis v. sæpius subnavicularibus, 12–14 × 7–8, utrinque rotundatis, opace atro-fuligineis, guttulatis.

Hab. in fimo ovino vetusto in pratis *a Coneglia-no*, Oct. 1877.

Obs. Etsi fimicola potius *Rosellinia* quam *Sordaria* videtur.

Didymosporæ Sacc.

Sphærella Ces & DNtrs.

18. **Sphærella Karsteniana** Speg. Peritheciis superficialibus, v. basi tantum immersis, lenticularibus 80–100 micr. diam., membranaceis, ostiolo impresso pertusis, fuligineis, circa ostiolum nigricantibus; ascis oblongo-fusoideis, deorsum incrassatis, 70–75 × 20, subsessilibus, vertice acutiuscule rotundatis crasseque tunicatis, aparaphysatis, octosporis; sporidiis di-polystichis, fusoideis, 20–25 × 8, constricto-1-septatis, utrinque acutiusculis, 2–4-guttulatis, hyalinis.

Hab. in charta stercorata putrescente *a Conegliano*, Sept. 1877.

Delitschia Awd.

19. **Delitschia Winteri** Plowr. Brit. Fung. in Grev. II. p. 188, t. 25, fig. 1.

Hab. in fimo vaccino *a Selva* et ovino *a Conegliano*, aut. 1877.

Obs. Perithecia semiimmersa, v. immersa, ostiolo cylindraceo, crassiusculo, curvulo, tuberculato, apice truncato. Asci cylindracei, deorsum breve attenuato-stipitati, 450 × 65–70, apice rotundati, paraphysibus septulatis hyalinis obvallati, octospori. Sporidia oblique monosticha, oblonga, constricto-1-septata, 65–75 × 35, utrinque ro-

tundata, primo flava, dein opace fuliginea, strato gelatinoso crasso obvoluta.

Phragmosporæ Sacc.

Sporormia DNtrs.

20. **Sporormia minima** Awd. in Hedw. 1868, p. 66, t. I, fig. III. Karst. Mycol. Fenn. II. 110. Sacc. Fungi Ven. Ser. V. 176.

Hab. in fimo vaccino, ovino, equino *a Selva* et *Conegliano*, Aut. 1876–77.

Obs. Perithecia globoso-lenticularia semiimmersa, exigua. Asci cylindracei, 80 ≈ 20–22, subsessiles, deorsum abrupte breve attenuati, apice obtuse rotundati, octospori. Sporidia recte v. oblique disticha, cylindracea, 36 ≈ 6½–7, tetramera, in articulos 7–8 ≈ 6½–7, opace fuligineos facillime secedentia, strato gelatinoso exiguo obvoluta.

21. **Sporormia intermedia** Awd. in Hedw. 1868 p. 67, t. I, fig. IV. Karst. Myc. Fenn. II. 110, Sacc. Fungi Ven. Ser. V. 176.

Hab. in fimo equino, vaccino, asinino, ovino, caprino *a Selva*, *Conegliano*, *Fregona* &c. Aut. 1876–77.

Obs. Perithecia semiimmersa, globosa in ostiolum breve truncatumque producta. Asci cylindracei, 115–125 15 ≈ 17, deorsum breve attenuato–stipitati, apice rotundati, octospori. Sporidia disticha, cylindracea, 42–45 ≈ 6, tetramera in articulos, 8 ≈ 6, opace fuligineos facillime secedentia, strato hyalino obvoluta.

* **S. grandispora** Speg. Peritheciis immersis v. semiimmersis, globosis, ostiolo minuto conoideo instructis; ascis cylindraceis, stipitatis, totis 180–200 ≈ 30–35, stipite 35–40 lgo apice rotundatis, crassiuscule tunicatis, aparaphysatis, octosporis; sporidiis distiche v. oblique monostichis, cylindraceis, 60–65 ≈ 12–15, tetrameris, opace fuligineis strato hyalino crassiusculo obductis, mox in articulos subcuboideos, 15 ≈ 12–15 secedentibus.

Hab. in fimo ovino vetusto *a Selva* et *Conegliano*, Sept. 1877.

22. **Sporormia lageniformis** Fckl. Symb. myc. 242 et Fung. rhen. n. 2270.

Hab. in fimo ovino *a Conegliano* et caprino *a Fregona*, Aut. 1877.

Obs. Perithecia immersa, ovoideo-pyriformia, ostiolo ad medium valde obeso apiceque coarctato exerto, fructus *Lagenariæ* exacte æmulantia. Asci cylindracei deorsum longiuscule attenuato-stipitati, apice obtusiusculi, 180–210 × 18–20, quandoque medio dehiscentes atque sporidia dejicientes. Sporidia cylindracea, 45–46 × 7–8, tetramera, opace fuliginea, strato hyalino exiguo obducta, mox in articulos, 10–11 × 8 secedentia.

23. **Sporormia gigaspora** Speg. Peritheciis penitus immersis, majusculis, in ostiolum brevissimum truncatumque matricis superficiem attingens desinentibus; ascis cylindraceis deorsum breve attenuato-stipitatis, 210–230 × 45–50, apice obtuse rotundatis, paraphysibus septato-torulosis crassis obvallatis, octosporis; sporidiis distichis v. monostichis, cylindraceis, 95–100 × 22»25, primo flavis dein opace fulgineis, strato hyalino crassissimo obvolutis, tetrameris, in articulos, 25–30 × 20–25, subcuboideos, extimos vero conoideos mox secedentibus.

Hab. in fimo ovino vetusto in pratis *a Conegliano*, et *a Fregona*. Sept. 1877.

24. **Sporormia gigantea** E. Ch. Hansen Fungi fimic. danic. p. 16 cum icone.

Hab. in fimo ovino vetusto in pratis udis *a Conegliano*, Sept. 1877.

Obs. Perithecia majuscula, superficialia ovoideo-pyriformia, in collum breve acutiusculum attenuata. Asci cylindracei deorsum breve attenuato-stipitati, 300–350 × 55–60, apice acutiuscule rotundati, paraphysibus filiformibus remote septulatis obvallati, octospori. Sporidia disticha, cylindracea, 130–160 × 25–30, tetramera, opace fuliginea, strato hyalino crasso obvoluta, loculis oblongo-cylindraceis, 35–40 × 25–30, extimis conoideis.

Dictyosporæ Sacc.

Pleospora Rabh.

25. **Pleospora pallida** Sacc. & Speg. Peritheciis sparsis, primo tectis dein erumpenti-superficialibus, lenticularibus, diam. 150–200 micr., ostiolo minuto subimpresso; contextu laxe parenchymatico fuligineo, circa ostiolum obscuriore; ascis obclavatis 70–110 × 35–55, sursum attenuato-rotundatis, subsessilibus, vertice crasse tunicatis, aparaphysatis, octosporis; sporidiis elliptico-fusoideis, 45–50 × 20, distichis v. subtristichis 5–septato-muriformibus, ad septa vix constrictis, loculis guttulatis, dilutissime chlorinis.

Hab. ad folia putrida Plantaginis lanceolatæ fimo suino obvoluta *a Selva*, Sept. 1877.

Hypocreaceæ DNtrs.

Nectria Fr.

26. **Nectria Pezicula** Speg. Peritheciis gregariis, innato-erumpentibus, primo sphæroideis, tandem umbilicato-pezizoideis, rubro-aurantiacis, extus præcipue basi hyphis conidiophoris vestitis 200–250 microm. diam., ostiolo latiuscule pertuso; contextu tenuiter celluloso, roseo; hyphis strigoso-anastomosantibus, 3–4 micr. cr. rubro-fuscis, hinc inde adsurgentibus atque conidia ellipsoidea, 5–7 × 3, hyalina 2-guttulata gerentibus; ascis cylindraceis 55–65 × 7–8½ deorsum breve attenuato-stipitatis, sub apice initio (more generis) coarctatis, dein truncatis, aparaphysatis, octosporis; sporidiis distichis v. raro oblique monostichis, 1–septatis, ad septum non v. vix constrictis, utrinque acutiusculis, 12–14 × 3½–4, 4–guttulatis, hyalinis.

Hab. in charta stercorata putrescente in umbrosis herbosis *a Conegliano*, Sept. 1877.

Obs. Nectriellæ charticolæ Fckl. affinis, a qua ostiolo concolore nec fusco et sporidiis fere dimidio angustioribus præ ceteris dignoscitur.

Discomycetes *)

Ascobolus Pers.

27. **Ascobolus furfuraceus** Pers. Syn. p. 676. Karst. Fenn. I. 76. Fckl. Symb. mycol. p. 286, Sacc. Michel. I. 69.

Hab. in fimo vaccino et equino *a Conegliano, Vittorio, Selva,* Aut. 1876–77.

Obs. Asci cylindraceo-clavati, deorsum longe attenuato-stipitati, apice rotundati subtruncati, 140–150 × 20–22, paraphysibus filiformibus, septulatis obvallati, octospori. Sporidia oblongo-ellipsoidea, 28–32 × 14, disticha v. oblique monosticha, primo violacea, dein vinoso-fuliginea, longitudinaliter ramose striatula, muco obvoluta.

28. **Ascobolus macrosporus** Crouan Ann. Sc. nat. 1857 VIII t. 4. f. B. Fckl. Symb. mycol. p. 286.

Hab. in fimo vaccino, equino putrescente *a Conegliano, Selva,* Aut. 1877.

Obs. Asci oblongo-ovati, deorsum brevissime attenuato-stipitati, 150–200 × 50, octospori, paraphysibus filiformibus, guttulatis duplo longioribus obvallati. Sporidia inordinate disticha, elliptico-ovata, 50–55 × 28–30, primo amœne violacea, dein fuligineo-vinosa, sublevia.

29. **Ascobolus immersus** Pers. Syn. p. 677. Fckl. Symb. Mycol. p. 286.

Hab. in fimo vaccino et equino *a Selva, Conegliano, Vittorio,* Aut. 1877.

*) Discomycetes coprophilos a me observatos generice ita distinguo:

\+ Ascis 4-8-sporis.

* Sporidiis coloratis, ovatis, continuis.

Ascobolus Pers. Sporidiis in asco liberis.

Saccobolus Boud. Sporidiis in asci apice sacculo proprio arcte inclusis.

** Sporidiis hyalinis, ovatis, continuis.

Ascophanus Boud. Ascomatibus glabris v. puberulis, non tamen setosis, villo basilari carentibus.

Humaria Fckl. Ascomatibus setigeris, villo basilari carentibus.

Pyronema Carus. Ascomatibus subglabris, villo arachnoideo insidentibus.

\++ Ascis polysporis.

Pezizula Karst em. Sporidiis hyalinis.

Obs. I. Asci elliptico-ovati, subsessiles, 200–230 × 60–65, sursum acutiuscule rotundati, sæpius tetraspori, paraphysibus duplo longioribus, guttulatis obvallati. Sporidia elliptica, maxima, 60–70–80 × 30–40, primo amœne violacea, dein læte fuliginea longitudinaliter recte 2–3–striata, strato mucoso crassissimo obvoluta.

Obs. II. Hujus formæ exemplaria sæpe cum *Ascob. macrosporo* commixta observavi, præterea ejusdem ascos 2–4–6–sporos variare nec non sporidia magnitudine ludere vidi. An ergo bona species, vel tantum varietas *Ascob. macrospori*, ut quidam malunt?

30. **Ascobolus viridis** Curr., Karst. Myc. Fenn. I. 77.

Hab. ad terram humidam Horti Patavini, Junio 1877 (Saccardo).

Obs. Asci cylindraceo-clavati, breve stipitati, apice rotundati, 180 × 20. p. sporif. 110 lga, paraphysibus filiformibus, guttulatis obvallati, octospori. Sporidia disticha, ovata, 25 × 16, rugoso-striatula, initio 1–guttata, hyalina, tandem pure fuliginea (non violacea). Ascomata olivaceo-virentia.

Saccobolus Boud.

31. **Saccobolus Kerverni** Boud., E. Ch. Hans. F. fimic. dan. t. VI fig. 22. *Ascob. Kerverni* Cr., Fckl. Symb. myc. p. 287.

Hab. in fimo vaccino et equino *a Selva*, sylva *Montello, Conegliano, Vittorio*, Aut. 1877.

Obs. Asci ovato-cylindracei, sursum obtuse rotundati, deorsum brevissime crassiuscule stipitati, 85–95 × 30–35, in basidiis cylindraceis, apice subincrassatis, 45–50 × 6–8, acrogenis, paraphysibus, filiformibus, 5 cr., granulosis viridulis obvallati. Glomeruli sporidiorum sacculo inclusi, cylindraceo-ellipsoidei, 45–50 × 20; sporidiis subnaviculatibus, 18–20 × 10, utrinque rotundato-truncatulis, primo violaceis, dein amœne vinoso-fuligineis.

32. **Saccobolus Hansenianus** Speg. Ascomatibus primo conoideis, durissimis, flavo-viridulis, vertice atrovinoso,

dein applanatis undique flavo-viridulis sed disco ob ascos exsilientes brunneo-punctato; ascis amplis saccatis elliptico-fusoideis, deorsum brevissime stipitatis, apice truncatis, 180–210 ≈ 67–75, basidiis cylindraceis, vix clavulatis, 40–45 ≈ 10–12, suffultis, paraphysibus filiformibus viridulis obvallatis; glomerulis sporidiorum ellipticoovatis, 85–90 ≈ 30, sacculo crassissimo inclusis; sporidiis ovato-ellipsoideis, inæquilateralibus, utrinque rotundato-truncatis, 35–40 ≈ 25, primo opace violaceis, dein intense fuligineis.

Hab. in fimo vaccino et equino in umbrosis herbidis *a Conegliano,* Oct. 1877, raro.

Ascophanus Boud.

33. **Ascophanus granulatus** (Bull.) Speg. *Peziza granulata* Bull. Cooke Mycogr. II. t. 59. *Ascobolus granulatus* Fckl. Symb. 287.

Hab. in fimo vaccino udo *a Selva* (Saccardo) et *a Conegliano,* Aut. 1877.

Obs. Asci cylindraceo-clavati, deorsum longe stipitato-attenuati, apice rotundati, 190–200 × 16–18, octospori. Sporidia oblongo-elliptica, 18–20 × 10–11, utrinque obtusiuscule rotundata, disticha v, sæpius inordinata.

34. **Ascophanus granuliformis** (Cr.) Boud., *Ascob. granuliformis* Cr., Fckl. Symb, p. 288. *Peziza granuliformis* Karst. Fenn. I. 50.

Hab. in fimo vaccino et equino et cuniculorum *a Selva, Colfosco* et *Conegliano,* Sept. Oct. 1877.

Obs. Asci oblongo-cylindracei, deorsum attenuato-stipitati, apice acutiuscule rotundato-truncatuli, 140–150 × 18–20. Sporidia monosticha v. disticha, ovato-ellipsoidea, 18–20 × 9–11, hyalina.

35. **Ascophanus nitidus** (Fckl.) Speg., *Ascob. nitidus* Fckl.

Hab. in fimo vaccino et equino *a Conegliano, Colfosco* et *Vittorio,* Aut. 1877.

Obs. Asci cylindracei, deorsum breve et oblique at-

tenuato-stipitati, apice obtuse rotundati, 90–115 × 15–20, parphyasibus asco longioribus, sursum clavulato-circinatis obvallati. Sporidia, oblongo-ellipsoidea, utrinque obtusiuscule rotundata, 16–17 × 8–11, nucleum ocellatum foventia, hyalina.

36. **Ascophanus carneus** (Pers.) Boud., *Ascob. carneus* Pers. *Peziza carnea* Karst., Sacc. Mich. I. 70. *Leucoloma carnea* Rehm. – f. **minor** Sacc.

Hab. in fimo vaccino nondum putrescente *a Conegliano* Oct. 1876.

Obs. Asci clavato-cylindracei, deorsum attenuato-stipitati, apice obtusiuscule rotundati, 110–115 × 8–10, paraphysibus filiformibus sursum clavulatis rubellisque guttulatis obvallati. Sporidia oblongo-ellipsoidea, 18–20 × 8–10, utrinque obtusiuscula, hyalina.

37. **Ascophanus cinereus** (Cr.) Boud. Ascob. cinereus Cr., Fckl. Symb. mycol. p. 288., Cooke Hndb. p. 731.

Hab. in fimo vaccino nondum putrescente *a Colfosco*, Sept. 1877.

Obs. Asci oblongo-clavati, saccati, deorsum vix attenuati, sessiles, apice acutato-rotundati, crassiuscule tunicati, 180–200 × 25, paraphysibus continuis, sursum clavulatis curvulisve obvallati. Sporidia ellipsoidea, 18 × 10, in parte superiore ascorum mono-di-polysticha, conglomerata, eguttulata, hyalina.

Humaria Fckl.

38. **Humaria diversispora** (Fckl.) Speg. *Ascob. diversosporus* Fckl. Symb. Mycol. p. 289.

Hab. in fimo vaccino putrescente *a Conegliano*, Sept. 1877, rarissime.

Obs. Ascomata viridulo-testacea, campanuliformia, sessilia, undique setis hyalinis ornata: setulis unicellularibus, e basi bulbillosa acutissimis, crasse tunicatis. Asci saccato-cylindracei deorsum in stipitem filiformem brevem abrupte attenuati, apice obtuse rotundati, 150–180 × 30–38, aparaphysati (?). Sporidia inordinate monosticha, oblongo-ellipsoidea, utrinque obtusa, 22–26 × 12–15, eguttulata, hyalina.

39. **Humaria pulcherrima** (Cr.) Speg., *Ascobolus pulcherrimus* Cr., Fckl. Symb. mycol. p. 289. *Peziza pulcherrima* Cooke Mycogr. fasc. II, t. 39.

Hab. in fimo vaccino subputrescente in herbosis *a Conegliano*, *Vittorio*, Sept., Oct. 1877.

Obs. Ascomata rubra, extus setulosa; setulæ, cuspidatæ, 150–180 × 12–14, parce septulatæ, pallide fuscæ. Asci cylindracei, deorsum attenuato-stipitati, apice rotundati, dein dehiscentiæ causa truncati, 160–170 × 40, paraphysibus simplicibus bifidisve clavulatis obvallati, octospori. Sporidia ovoideo-elliptica, disticha v. submonosticha, 30–32 × 16, eguttulata, hyalina.

40. **Humaria stercorea** (Pers.) Fckl., Sacc. Mycol. Ven. Spec. p. 166.

Hab. in fimetis et terra stercorata in agro Patavino.

Pyronema Carus.

41. **Pyronema subhirsutum** (Schum.) Fckl. Symb. myc. 320, Sacc. Fungi Ven. Ser. V. p. 184 et Mycoth. Ven. n. 732.

Hab. in stercore humano putri in locis umbrosis argilaceis *a Conegliano*, in sylva *Montello* Aut. 1876-77.

Obs. Ascomata cylindraceo-globosa, superne applanata, sessilia, flavo-aurantiaca, v. subviridula, undique pilis ornata et villo insidentia, contextu parenchymatico, subviridulo, pilis unicellularibus, clavulatis, 120–130 × 6–8, pariter viridulis. Asci cylindracei deorsum longissime attenuato-stipitati, apice truncato-rotundati, p. s. 110 × 12–15, stip. 120 × 8, paraphysibus filiformibus continuis sursum clavulatis obvallati, octospori. Sporidia oblique monosticha oblongo-ellipsoidea, 22–24 × 10–11, eguttulata, hyalina.

42. **Pyronema araneosum** Speg. Cupulis gregariis, sessilibus, in sicco patellari-applanatis, udis sphæroideis, dilute aurantiacis, undique pilis pallidis araneosis vestitis byssoque tenui albido insidentibus; contextu celluloso tenuimembranaceo, flavo-fuscidulo; setulis filiformi-cuspidatis crebris, 110–120 × 8, fumose hyalinis, 1-cellularibus,

crassiuscule tunicatis; ascis crasse cylindraceo-fusoideis, deorsum longe attenuato-stipitatis, apice primo rotundatis, dein dehiscentiæ causa truncatis, 160–180 × 26–30 (in f. *canina:* 100–120 × 24–26) paraphysibus filiformibus, clavulatis, septulatis, obvallatis, octosporis; sporidiis in ascorum parte superiore plerumque distichis, sphæricis v. sphæroideis levibus farctis, hyalinis, 15 × 14–15, (in f. *canina:* 11–12 × 10).

Hab. in stercore humano et canino in umbrosis *a Conegliano* Sept. 1877.

Obs. Sporidiis sphæricis in ascorum parte superiore distichis facile dignota species. Cum gen. *Crouania* Fckl. sporidiis globosis convenit, sed indumento recedit.

Pezizula Karst. emend.

43. **Pezizula crustacea** (Fckl.) Karst. Mycol. Fenn. I. 81, *Ascobolus crustaceus* Fckl. (1866), *A. myriaedus* Karst. (1866.), *Ascobolus kei* Cr. (1867). *A. polysporus* Awd. (1868).

Hab. in fimo vaccino et equino *a Conegliano, Selva*, et in sylva *Montello*, Aut. 1877.

Obs. Asci ovoidei, deorsum abrupte et brevissime attenuato-stipitati, apice obtuse rotundati, 90–110 × 25–28, paraphysibus filiformibus septulatis obvallati, 60–64-spori. Sporidia ellipsoidea, 10 × 5, polysticha, eguttulata, hyalina.

44. **Pezizula Pelletieri** (Cr.) Speg., *Ascobolus Pelletieri* Cr. Finist. p. 56., Fckl. Symb. 288. *A. Solms-Laubachii* Rabh.

Hab. in fimo equino putrescente in umbrosis *a Conegliano* Oct. et Dec. 1877.

Obs. Ascomata primo globosa, dein patellaria, candidissima, vel dilute cinereo-rosea, $^3/_4$–$1^1/_4$ mill. diam. Asci cylindraceo-clavati, deorsum attenuati, breve stipitati, apice obtuse rotundati, 200–300 × 50–55, 30–32-spori. Sporidia tetrahexasticha, elliptico-fusiformia, 30–35 × 18–20, utrinque acutiuscule rotundata, crassiuscule tunicata, hyalina.

FUNGI VENETI

NOVI VEL CRITICI

VEL MYCOLOGIÆ VENETÆ ADDENDI

AUCTORE

P. A. SACCARDO

SERIES VIII. *)

Hymenomyceteæ.

1. **Marasmius glabellus** Peck. XX Rep. of New-York Mus. p. 66. Thr. Mycoth. Univ. N. 505 – f. **minor** Sacc. M.V. n. 1107. A typo recedit statura paulo minore lamellisque pallidioribus.

   Hab. in ramentis foliis &c. dejectis *a Selva*, Sept. 1877.

   Obs. Basidia oblongo-clavata, 15–20 × 4–5, monospora (?); sporæ sphæricæ, 4–5 micr. diam., 1–guttulatæ, hyalinæ – Icon Floræ danicæ tab. 1551 fig. 1. (*Marasmii androsacei*) melius speciem præsentem sistit quam verum *M. androsaceum* Fr.

2. **Stereum** (Apus) **Boltonii** Sacc. M. V. n. 1113, *Corticium cinereum* f. *reflexum* & *resupinatum* Sacc. M.V. n. 404–405, et Fungi Ven. Ser. V. 165. Pileis effusis, reflexisque, sæpius aggregatis, ochraceo-fuscis, tomentosis, margine albicante, undulato; hymenio, sordide ochraceo-cinereo, minutissime velutino, denique rimuloso; hymenii setulis cylindraceis, obtusiusculis 1–2-cellularibus, 50–100 × 5–6, ferrugineis; sporis oblongo-ovoideis, 6–8 × 3–4, hyalinis.

*) Hæc Series sistit fungos novos v. criticos in Centuriis VIII-XIII (pr. p.) Mycothecæ Venetæ editos et nondum libris meis mycologicis tra[illegible]s.

Hab. in truncis emortuis variis, e. g. Robiniæ Salicis &c. *a Selva, Padova*, Majo 1877.

Obs. An huc pertineat *Corticium Boltonii* Fr. Hymen. Europ. p. 647 (Bolt. Fung. t. 166 fig. *d*?) dijudicare nescio.

3. **Corticium** (Lejostroma) **incarnatum** (Per.) Fr., Sacc. Mycol. Ven. p. 64. – f. **Platani orientalis** Sacc. M.V. n. 1110.

Hab. in ejusdem cortice duriore *a Padova*, Martio 1877.

Obs. Sporæ, subglobosæ, 7–8 micr. diam., nubilosæ, fere ut in *Hyphodermate roseo* (Pers.) Fr., M.V. n. 1077. Cl. Fuckel in Symb. mycol. p. 27 sporas multo minores (diam. 4. micr.) in hac species indicat; an duo fungi diversi uno nomine confusi?

Gasteromyceteæ.

4. **Lycoperdon hyemale** Bull., Vitt. Monog. Lycop. n. 13 t. II. f. 5. Sacc. M. V. n. 1103. *L. gemmatum* Fr. Sacc. Mycol. Ven. p. 71. p. p.

Hab. in herbosis *a Selva, Padova*, &c. autumno 1873–77.

Obs. Flocci filiformes, parce ramosi, tenuiter septati, hinc inde noduloso-sporigeri v. basidia subovata, 15–20 = 8–12, gerentes, *subhyalini*. Sporæ globosæ, $2^1/_2$–3 micr. diam. leves, olivaceæ, guttulam hyalinam foventes. Peridii basis sterilis eximie *laxe cellulosa*.

5. **Lycoperdon polymorphum** Vitt. Monogr. Lycop. n. 8. t. II. fig. 8, Sacc. M. V. n. 1104. *L. furfuraceum* Schäff. Fungi t. 294. *L. cæpæforme* Bull.

Hab. in pratis *a Selva*, Augusto 1877.

Obs. Flocci filiformes, leves, intricati subcontinui, *fuliginei*. Sporæ globosæ $2^1/_2$–3 micr. diam. olivacco-fuliginæ, guttulam hyalinam foventes. Peridii basis sterilis *floccoso-stipata*, nec cellulosa. Novo generi *Globariæ* Quelet adscribenda species.

Hypodermeæ.

6. **Geminella melanogramma** (DC.) Magn., Fisch. v. Waldh. Ustilag. p, 44 n. 108, Sacc. M. V. n. 1154.
7. **Uromyces Anthyllidis** (Grev.) Schröt. in Hedw. 1875 p. 162, Sacc. M.V. n. 1141.

   Hab. in foliis Anthyllidis Vulnerariæ, *a Conegliano*, Oct. 1877, plerumque uredospora (Spegazzini).
8. **Puccinia alsophila** Sacc. M.V. n. 1130. Acervulis hypophyllis, alte pulvinatis, compactis, nigricantibus; uredosporis .... teleutosporis ovato-ellipsoideis, 40–45 × 25, utrinque rotundatis, constricto–1–septatis, tunica levi, vertice leniter incrassata, 2–nucleatis, fuligineis, pedicellis filiformibus, prælongis, 80–90 × 5–6, æqualibus, hyalinis.

   Hab. in insula veneta *di Malamocco* in foliis Francæ pulverulentæ, Julio 1877 (Doct. A. Chiamenti).

   Obs. A *Puccinia Frankeniæ* Cda longe differt et in serie *Pucc. macrostylæ* Bagnis adnumeranda videtur.
9. **Puccinia Sonchi** Rob. & Dmz., Oudem. Mat. Mycol. Neerl. II. 37, Sacc. M.V. n. 1131.

   Hab. in foliis Sonchorum in Horto botanico Patavino, Oct. 1877.

   Obs. Melampsoram simulat non tantum ob consistentiam et colorem acervulorum sed ob cystidia clavata, 40–60 × 25, atro-cinnamomea quandoque spurie 1–2 –septata, dense circa soros stipata et tunc Melampsoræ teleutosporas æmulantia. Pucciniæ hujusce teleutosporæ apud nos plerumque biloculares, ovato-oblongæ, 40–45 × 25, leniter constrictæ, utrinque obtuse acutatæ, stipiteque brevi, 8–10 × 8 suffultæ, dilute ochraceæ.
10. **Æcidium Plantaginis** Ces. in Herb. Crypt. ital. Ser. I. n. 247, Sacc. M.V. n. 1144.

    Hab. in foliis Plantaginis lanceolatæ *a Conegliano*, Aprili 1877 (Spegazzini).
11. **Æcidium Centaureæ** DC. f. *C. nigrescentis* Sacc. M.V. n. 1145.

Hab. in foliis ejusdem *a Conegliano*, æstate 1877 (Spegazzini).

12. **Æcidium Leucanthemi** DC., Sacc. M.V. n. 1146.
Hab. in foliis Chrysanthemi Leucanthemi *a Conegliano*, æstate 1877 (Spegazzini).

13. **Æcidium Aristolochiæ** Rabh., Sacc. M.V. n. 1147.
Hab. in foliis Aristolochiæ Clematitis *a Padova*, Majo 1877 (Bizzozero).

14. **Æcidium Cyparissiæ** DC. Fl. fr. II. 249., Sacc. M.V. n. 1149.
Hab. in foliis Euphorbiæ Cyparissiæ in collibus Euganeis, Apr. 1877 (Bizzozero).

15. **Æcidiolum Tussilaginis** Sacc. M. V. n. 993 (sub *Myxosporio*). Maculis epiphyllis, initio aurantiacis, tandem nigricantibus; acervulis immerso-prominulis, initio croceis; spermatiis ovoideis 9–10 × 8, granulosis, hyalinis, in basidiis filiformibus fasciculatis catenulatim impositis.
Hab. in pag. superiore foliorum Tussilaginis Farfaræ, socio et contraposito *Æcidio Tussilaginis* in sylva *Montello*, Aug. 1876.

Phycomyceteæ.

16. **Cystopus Portulacæ** (DC.) dBy, Sacc. M. V. n. 143 – Status **oogoniophorus** Sacc. M.V. n. 1117.
Hab. in foliis Portulacæ oleraceæ *a Selva*, Sept. 1877.
Obs. Fungillus, folio luci objecto, optime conspici potest. Oosporæ globosæ, 45–50 micr. diam., eximie reticulatæ, atrofuligineæ, sporangio (oogonio) hyalino sphærico primitus inclusæ. Cfr. dBy in Hedw. III. p. 141.

17. **Peronospora Viciæ** (Bk). dBy. f. **Orobi** Schröt., Sacc. M.V. n. 1120.
Hab. in foliis Orobi verni *a Conegliano*, vere 1877 (Spegazzini).
Obs. Sæpe adsunt oogonia, quæ ipse, ob habitum alienum, perperam nomine *Protomycetis reticulati* descripsi. Cfr. Michelia I. 13 et Fung. ital. t. 102.

18. **Peronospora Dipsaci** Tul., de By Peron. in Hedw. III. p. 137. Sacc. M. V. n. 1122.

Hab. in foliis Dipsaci sylvestris *a Conegliano*, æstate 1877 (Spegazzini).

19. **Synchytrium plantagineum** Sacc. & Sp. in Sacc. M. V. n. 1125. Tuberculis amphigenis hinc inde dense gregariis, granuliformibus, initio ochraceo-rufis, dein nigricantibus; sporangiis (?) sphæricis 110–130 micr. diam. flavo-ochraceis, anhisto-tunicatis, guttulis oleosis flavicantibus magnitudine variis fœtis.

Hab. in foliis Plantaginis lanceolatæ *a Conegliano*, Majo 1877. (Spegazzini).

Obs. Etsi incomplete cognitum, tamen *Synchytrio Succisæ* dBy & Wor. (Sacc. M.V. n. 1124) cognatum videtur.

Pyrenomyceteæ.

20. **Apiosporium? Melampyri** Sacc. M.V. n. 1095. Peritheciis hypophyllis, gregariis, sphæricis, diam. 35–45 micr., superficialibus, rugulosis, nitidulis, nigris, hyphis parcis hyalinis septulatis basi cinctis, nucleo....; perithecii contextu parenchymatico fuligineo.

Hab. in pag. inf. foliorum Melampyri arvensis languidorum, sociis *Sphærotheca* et *Coleosporio* in sylva *Montello*, Oct. 1876.

Obs. An huc pertinet *Perisporium vagans* Dmz.?

21. **Rhaphidophora ulnospora** (Cooke) Sacc. M.V. n. 1160., *Sphæria ulnaspora* Cooke Hndb. p. 900.

Hab. in caule putrescente Ballotæ nigræ *a Selva*, Sept. 1877.

Obs. Perithecia globoso-compressa, tandem collabescendo umbilicata, breve papillata. Asci cylindraceo-clavati, 130–150 × 12, breve noduloso-stipitati, octospori. Sporidia bacillaria vehementer fracti-flexa, 120–130 × 5, 4-articulata, articulis apicibus subincrassatis, 3–4septatis, flavida – *R. compressa* Rehm, Asc. n. 189 ab hac differt peritheciis minoribus, sporidiis rectiusculis, non nodulosis (fere *geoglossideis*) &c.

22. **Leptosphæria** (Leptosphærella) **marginalis** Sacc. M. V. n. 1162. Foliicola; maculis oblongis, linearibusve marginalibus, candidis, fusco-limbatis; peritheciis plerumque epiphyllis, punctiformibus, lenticularibus, 100 micr. diam., ochraceo-fuligineis, laxe cellulosis, poro amplo pertusis; ascis cylindraceo-clavatis, 60 × 10, breve noduloso-stipitatis, apice rotundatis, paraphysibus filiformibus spuriis obvallatis, 8sporis; sporidiis distichis oblongo-fusoideis, leniter curvis, utrinque obtusiusculis, 20 × 4–5, 3–septatis, ad septum medium constrictis, e hyalino viridulis.

Hab. in foliis Albizziæ Julibrissin adhuc vivis *a Vittorio* Oct. 1877.

23. **Sphærella Bellona** Sacc. sp. nov. Maculis arescendo dealbatis, sinuosis, epiphyllis; peritheciis punctiformibus remotiusculis, lenticularibus, pertusis; ascis oblongo-clavatis apice rotundatis, 60 × 15, aparaphysatis, 8sporis; sporidiis distichis inæqualiter didymis, utrinque obtusiusculis, 18–20 × 6–6½, 4–guttulatis hyalinis.

Hab. in foliis languidis Pyri communis *a Selva*, aut. 1873–74, socia *Phyllosticta pyrina* Sacc. F. V. ser, VII. 134. ejusdem spermogonio.

Obs. A *Sphærella Pyri* Awd. Sph. 11 t. III. f. 34 ascis sporidiisque (non 27–31 × 4) crassioribus et diverse efformatis statim dignoscitur. Propius ad *Sphærellam crassam* Awd. accedit.

24. **Physalospora euganea** Sacc. Peritheciis dense gregariis, subcutaneis, globoso-depressis, 130–150 micr. diam., pertusis; contextu parenchymatico fuligineo; ascis cylindraceo-clavatis, 80–100 × 17–18, apice tunica integra, rotundatis, brevissime crasse stipitatis, aparaphysatis, 8sporis; sporidiis distichis oblongo-fusoideis, utrinque obtusiusculis, 20–25 × 8, leniter curvulis, initio strato tenui mucoso obductis, intus granulosis, hyalinis.

Hab. in ramulis emortuis Spartii junccei in colle *Venda* (*Euganei*), Oct. 1877 (Bizzozero).

25. **Anthostomella appendiculosa** (B. & Br.) Sacc. M. V. n. 1190. *Sphæria appendiculosa* B. & Br.,

Rebentischia appendiculosa Sacc. Fungi Veneti Ser. V. 177.

Hab. in sarmentis Rubi fruticosi *a Selva* et *Conegliano* Aut.

Obs. Præeunte clariss. Niessl in litt. hanc speciem ad gen. *Anthostomellam* duco. Re vera ipse quoque, etsi rarius, sporidia ovata, continua, 15–16 × 5–6, fuliginea vidi. Descriptio mea l. c. et icon Curreyi (Simpl. Sph. fig. 97) sporidia immatura sistunt. In his modo 3–4 guttulæ minores, modo unica major inest.

26. **Sphærella Maydis** Pass. in Rabh F. E. n. 1851 et in Just Bot. Iahresb. 1874 p. 319.

Hab. in foliis emortuis et putrescentibus Zeæ Maydis in agro Tarvisino, aut. 1867.

27. **Sphærella Alni** (Fckl.) Sacc. *Stigmatea Alni* Fckl. Symb. 97.

Hab. in foliis adhuc vivis Alni glutinosæ *a Conegliano,* Iunio 1876-77 (Spegazzini).

Obs. Maculæ foliorum epiphyllæ, subcirculares, dilute fuligineæ. Perithecia superficialia, immo facile secedentia, globulosa, pertusa, contextu *tenui*, *laxiuscule* parenchymatico, fuligineo, basi hyphulis brevibus fuligineis cincta. Asci subfusoidei v. obclavati, basi breve attenuati, 50–60 × 12–15, *aparaphysati*, 8spori. Sporidia disticha 15–16 × 7, obovata, constricto-1-septata, loculo superiore crassiore, inferiore acutiore, 4-guttulata e hyalino dilute luteola. Characteribus cursive impressis species hæc *Sphærellæ* potius quam *Stigmateæ* adscribenda videtur.

28. **Microthyrium Smilacis** DNtrs Micr. it. Dec. IV. f. 4. Erb. critt. it. n. 94.

Hab. in sarmentis emortuis Smilacis Alpini in Horto Patavino, Febr. 1876, rarius.

29. **Gnomonia vulgaris** Ces. & DNtrs Schema p. 232 – *Sphæria Gnomon* Tode Meckl. fig. 125.

Hab. in foliis dejectis Coryli Avellanæ *a Padova*, Dec. 1877.

Obs. Asci fusoidei, basi attenuati, 35–38 × 5–6, 8spori. Sporidia bacillari-fusoidea, 15–16 × 1–1½ leniter curva, 4-guttulata, hyalina.

30. **Didymosphæria cladophila** Niessl Neue Kernp. p. 199. Sacc. M. V. n. 1161.

Hab. in ramulis emortuis Cytisi nigricantis in sylva *Montello*, Sept. 1877.

Obs. Asci cylindrici, 80–90 × 5–6, apice rotundati, paraphysati, 8spori. Sporidia oblique monosticha, didyma, 10 × 5–6, utrinque rotundata, loculo superiore leniter crassiore.

31. **Didymosphæria effusa** Niessl Neue Kernp. p. 130. Sacc. M. V. Cent. XIII.

Hab. in caulibus mortuis Cucurbitæ Peponis *a Conegliano*, Dec. 1877 (Spegazzini).

Obs. Asci cylindracei, breve stipitati, 70–80 × 10–12, spurie paraphysati, 8spori. Sporidia monosticha, v. partim districha, didyma, 14 × 6, leniter constricta, 4-guttulata, hyalina. Perithecia epidermide cinerascente v. subnigricante velata.

32. **Ceratostoma graphioides** Sacc. M. V. Cent. XIII. Peritheciis superficialibus, hinc inde dense aggregatis, maculasque atras velutinas sistentibus, globosis, in rostrum cylindraceum, 250–300 × 30, apice fimbriatum productis, basi hyphulis cinctis; perithecii contextu distincte parenchymatico, tenui, melleo-fuligineo; ascis ovoideis, 20 × 15, sessilibus, mox evanidis, aparaphysatis, 8sporis; sporidiis conglobatis sphæroideo-ellipticis, utrinque subtruncatis, 5–5½ × 3½–4½, cinereo-fuligineis, nucleato-farctis, non guttulatis, denique protrusis et perithecia conspergentibus.

Hab. in ligno putrescente Juglandis regiæ *a Padova*, Dec. 1877 (Bizzozero).

33. **Ceratostoma Jani-collinum** Sacc. & Sp. Peritheciis superficialibus, gregariis, globulosis, atris, basi hyphis hyalinis cinctis, in rostrum cylindraceum, 300–350 × 30, apice longe et hyalino-penicillatum productis; contextu perithecii parenchymatico, rostri prosenchymatico rufo-fuligineo; ascis obovatis, 55 × 35, subsessilibus; sporidiis e globoso cuboideis 7–8 diam., fuligineis.

Hab. in caule putri (Lappæ?) *a Conegliano*, (Collis Jani), Apr. 1877, raro (Spegazzini).

34. **Trichosphæria nobilis** Sacc. & Sp. Peritheciis superficialibus, sparsis gregariisque globulosis, conico-papillatis, nigris, setulis filiformibus, obtusiusculis, rigidulis, continuis, fuligineis sursum pallidioribus undique vestitis; ascis cylindraceis, breviuscule subnoduloso-stipitatis, apice rotundatis, 70–80 × 8–10, aparaphysatis, tetrasporis; sporidiis recte v. oblique monostichis, ellipsoideis, utrinque obtusis, 2-guttulatis, 14–17 × 8, e hyalino chlorinis.

Hab. in fragmentis ligneis Lauri nobilis vix putrescentibus, *a Conegliano*, Apr. 1877 (Spegazzini).

Obs. Inter perithecia adsunt fasciculi hypharum (setulis perithecii similium) e ganglio stromatico (perithecio incipiente?) oriundis, forte statum conidicum sistentes: sed conidia huc usque non vidimus.

35. **Massaria macrospora** (Dmz.) Sacc., *M. epiphegea* Riess. in Fres. Beitr. 61 t. VII fig. 35-40. *Sphæria macrospora* Dmz. *Cucurbitaria macrospora* Ces. & DNtrs.

Hab. in ramis corticatis Fagi sylvaticæ in sylva *Cansiglio*, Oct. 1874, soc. st. conid. *Coryneo macrosporo* Bk. h. e. *Sporidesmium vermiforme* Riess.

Obs. Sporidia oblongo-fusoidea, 45–50 × 15, initio didyma, subhyalina, *strato gelatinoso* obvoluta, tandem 3-septata, ad septa constricta, dilute fuliginea. Typus oscillans sed *Massariæ* propinquior.

36. **Massaria bufonia** (B. & Br.) Tul. Carp. II. 237. Cooke Hndb. 846. *Sphæria bufonia* B. & Br., Curr. Simpl. Sph. t. 59 fig. 102.

Hab. in ramis corticatis quercinis *a Colfosco*, Aug. 1877 (Spegazzini) – Pulcherrima species!

37. **Teichospora anceps** Sacc. Peritheciis ligno adnatis, corticeque initio velatis, dein secedente liberatis, hinc inde aggregatis, globosis, $^1/_2$–$^3/_4$ mill. diam., distincte obtusiuscule papillatis, atris, nitidulis, solidiusculis; ascis cylindricis breve stipitatis, apice rotundatis, 120 × 10, paraphysibus filiformibus obvallatis, 8sporis; sporidiis oblique monostichis, oblongo-ellipsoideis, utrinque acutiusculis, rectis, 18–20 × 8–9, 3-septatis, muriformibusque, ad septum medium constrictis, fuligineis.

Hab. in ramulis emortuis Cytisi radiati *ad Arco* (*Trentino*), Sept. 1874, rarius.

Obs. Species vere anceps, nam fere æquo jure ad *Cucurbitariam* v. *Fenestellam* duci posset. Sæpe quoque adest st. pycnid. *Diplodiam ancipitem* sistens: peritheciis duplo minoribus, erumpentibus, aggregatis, papillatis, nigris; stylosporis oblongis, 10–12 × 5, constricto–1–septatis (rariss. loculo altero 1–septato, sed non constricto) fuligineis.

38. **Ditopella Vizeana** Sacc. & Sp., *Nectria caulina* Cooke Fung. Brit. Ser. II. n. 479 (lecta a Rev. J. E. Vize in *Forden*). Peritheciis gregariis, globoso-depressis, $^1/_4$–$^1/_3$ mill. diam., epidermide sæpe cinerascente, dein fissâ, velatis, nigris; ostiolo exiguo obtuso; perithecii contextu distincte parenchymatico, atro-fuligineo; ascis cylindraceo-clavatis, breviuscule stipitatis, 110–115 × 15–18, apice crassiuscule tunicatis, obtuseque rotundatis, aparaphysatis, polysporis; sporidiis (30–50) polystichis, fusoideis, utrinque obtusiusculis, rectis v. leniter inæquilateralibus, 15–18 × $4^1/_2$–$5^1/_2$, pluriguttulatis v. nubilosis e hyalino dilute olivaceis.

Hab. in ramulis Buxi sempervirentis emortuis *a Colfosco*, Apr. 1877 (Spegazzini).

Obs. Epitheton « caulina » adhibere non potui quia Buxus frutex est, ergo *caules* non gerit.

39. **Otthia Cratægi** Fckl. Symb. myc. App. I p. 19.

Hab. in ramis corticatis Cratægi Oxyacanthæ *a Vittorio*, Oct. 1873, sociis *Diplodia Cratægi* Fckl. et *Phoma*.

Obs. Asci cylindracei, 180–200 × 14, breve stipitati, apice rotundati, parce paraphysati, 8spori. Sporidia oblique monosticha, ellipsoideo-oblonga, constricto–1–septata, 25–27 × 12–14, sæpe 2–guttulata, fuliginea. Sæpe adest status spermogonicus *Phomam Cratægi* sistens: peritheciis erumpentibus, subglobulosis, irregularibusve, nucleo albo; spermatiis minutissimis oblongis, 4 × $1^1/_2$, hyalinis.

40. **Lophiostoma gregarium** Fckl. Symb. Myc. 158. Sacc. Fung. Ven. ser. V. 177.

* L. **pachysporum** Sacc. M. V. n. 1157. Peritheciis immersis v. semiimmersis, globulosis, ostiolo minuto conico-compresso; ascis cylindraceo-clavatis, 120–150 × 18–20, apice rotundatis, breve stipitatis, paraphysatis, octosporis; sporidiis monostichis, v. subdistichis, ovato-oblongis, curvulis v. rectis, utrinque obtusiusculis, 25–30 × 12–16, 6–10-septato-muriformibus, initio amœne flavis, guttulatis, dein fuligineis, ad septum medium distincte, ad cetera obsolete constrictis.

Hab. in ligno indurato abietino *a Vittorio,* Oct. 1877, socio *Lophiostomate compresso* (Pers.) Ces. & DNtrs.

41. **Diaporthe** (Tetrast.) **Castaneti** Nke Pyr. Germ. p. 320. Sacc. M. V. Cent. XIII.

Hab. in ramulis emortuis Castaneæ vescæ *a Conegliano,* Dec. 1877 (Spegazzini).

Obs. Asci fusoidei, aparaphysati, 70–80 × 10, 8spori. Sporidia disticha, fusoidea, constricta, tenuiter 1-septata, 15–18 × 4–5, utrinque obtuse attenuata, recta v. curvula, 4-guttulata, hyalina.

42. **Thyridium pulchellum** Sacc. & Sp. M. V. Cent. XIII. Stromate eutypeo effuso, ligni superficiem nigrificante; peritheciis ligno immersis globosis, diam. $^1/_3$–$^1/_2$ mill. diam., nigris, ostiolo minuto vix prominente; contextu perithecii laxiuscule parenchymatico, fuligineo; ascis cylindraceis, 100 × 15–16, apice rotundatis, breve crasse stipitatis, paraphysibus longioribus, filiformibus obvallatis, tetrasporis; sporidiis recte v. suboblique monostichis, oblongo-ellipsoideis, 30–38 × 15–18, utrinque rotundatis, initio 1-septatis, olivaceis, dein 6–8-septatis, denseque muriformibus, ad septa non constrictis, multiguttulatis, fuligineis.

Hab. in ligno putrescente Catalpæ syringifoliæ *a Conegliano,* Oct. Dec. 1877 (Spegazzini).

Obs. Species pulcherrima, distinctissima. De sensu generis cfr. « Michelia » I. p. 50.

43. **Xylaria** (Xylodactyla) **Arbuscula** Sacc. M V. n. 1192. Gregaria, fasciculata, arbusculiformis, atra; stipitibus gracilibus, cent. $1^1/_2$–$2^1/_2$ alt., mill. $1^1/_2$–2 cr., adscendentibus,

tomentosis; clavulis (conidiophoris) attenuatis, sæpe compressis, apice albicantibus (conidiis nondum visis), clavulis pyrenophoris teretibus, apice breviter sed acute cuspidatis, $^1/_2$–1 cent. lgs., 1–1$^1/_2$ mill. cr., initio longitudinaliter cinereo-rivulosis, tandem, ob perithecia, depresse tuberculatis; peritheciis globosis immersis, vix $^1/_2$ mill. diam. papillulatis; ascis cylindraceis longiuscule stipitatis, p. s. 80 × 8–10, stip. 30–40 lgo, apice rotundatis, aparaphysatis, 8sporis; sporidiis oblique monostichis, oblongo-fusoideis, 14–16 × 5–7, curvulis, 1–2-guttatis, initio hyalinis, dein cinereis, tandem atro-fuligineis.

Hab. in cistis ligneis putrescentibus muscosis Orchideas tropicales hospitantibus in calidario Horti Levi *a Treviso*, Aug. 1877.

Obs. A *Xyl. Hypoxylo* (L.) Grev., *X. cupressiformi* (Mich.) Becc. et pluribus exoticis satis diversa.

Hyponectria Sacc. nov. gen. Perithecia simplicia, tecta, contextu nectriaceo molli, laxe parenchymatico. Asci octospori, initio sub apice (more nectriaceo) leniter coarctati. Sporidia ovata v. oblonga, continua, hyalina.

44. **Hyponectria Buxi** (DC.) Sacc. M. V. n. 1191. *Sphæria Buxi* DC. Cfr. Sacc. Fungi Ven. Ser. VI. 51. Obs. III.

Obs. Asci cylindracei 80–90 × 10–12; sporidia oblonga utrinque acutiuscula, 16–18 × 6–7, granulosa, hyalina. Perithecia, folio luci objecto, punctula subdiaphana simulant. Hujus speciei formam in foliis Quercus Ilicis Patavii, Dec. 1877 legit G. Bizzozero.

Cesatiella Sacc. nov. gen. (*Hypocreaceæ*) Perithecia ligno immersa, molliuscula, succinea, stromate obsoleto limitata, globosa, papillulata. Asci paraphysati, octospori. Sporidia majuscula, fusoidea, falcata, pluriseptata, hyalina.

Obs. Novum genus, ill. professori lib. bar. V. Cesati dicatum, peritheciis nectriaceis endoxylis, sporidiisque fusariiformibus distinctum.

45. **Cesatiella australis** Sacc. & Sp. Peritheciis immersis, globosis, $^1/_2$ mill. diam., ostiolo brevissimo ligni superficiem vix infuscatam attingente; contextu perithecii

obsolete celluloso, molliusculo, succineo, dein collabente; ascis cylindraceis, breve stipitatis, 95–105 × 12, apice acutiuscule rotundatis, tunicâ integrâ, paraphysibus filiformibus guttulatis obvallatis, 8sporis; sporidiis distichis, fusoideis, arcte falcatis, 40–45 × 5, utrinque obtusiusculis, distincte 3–septatis, non constrictis, hyalinis.

Hab. in ramis emortuis Oleæ europeæ *a Conegliano*, Apr. 1877 (Spegazzini).

46. **Calonectria pyrrochlora** (Awd.) Sacc. *Nectria pyrrochlora* Awd. in Rabh, F. E. n. 1234. Rehm Asc. n. 40.

Hab. in rimis suberis ad ramulos Aceris campestris *a Conegliano*, Martio 1877 (Spegazzini).

Obs. Asci fusoideo-elongati, 70 × 15, apice acutiuscule subtruncati, aparaphysati, 8spori. Sporidia disticha, oblongo-fusoidea, 22–30 × 8, utrinque obtusiuscula, recta v. curvula, 4–nucleata, rarius pluriguttulata, dein 3–septata, ad septum medum vix constricta, hyalina.

47. **Calonectria macrospora** Sacc. & Sp. Peritheciis sparsis, erumpentibus, v. semierumpentibus, fibrisque corticalibus obvelatis, globoso-conoideis, vertice subtruncatis, croceo-aurantiacis; contextu molliusculo, parenchymatico concolore; ascis elongato-clavatis, apice rotundatis lumineque initio coarctato, deorsum attenuato-stipitatis, p. s. 110–120 × 30, paraphysibus filiformibus obvallatis, 8sporis; sporidiis di–tristichis, fusoideis, 50–65 × 12–15, leniter curvis, 7–8–septatis, ad septum medium leniter constrictis, grosse 8–9–guttulatis, hyalinis.

Hab. in cortice emortuo Vitis viniferæ *a Conegliano*, Aut. 1876 (Spegazzini).

Obs. Ab affini *Calon. Daldiniana* DNtrs. Recl. Piren. in Comm. critt. II. 477 differt peritheciis profundius insculptis, corticolis, non collabescentibus &c.

48. **Calonectria minuscula** Sacc. & Sp. Peritheciis globulosis, subsuperficialibus, hyalino–roseis, $^1/_8$ mill. diam. basi hyphulis parcis vestitis, ostiolo crassiusculo, truncato, pertuso; ascis fusoideo-cylindraceis, sub apice initio contractis, basi attenuatis, 40 × 7–8, aparaphysatis, tetrasporis; sporidiis fusoideis v. subclavatis, utrinque

obtusiusculis, curvulis, 15–16 × 3–3½, 4-nucleatis (v. granulosis) hyalinis.

Hab. in foliis subputrescentibus Cryptomeriæ japonicæ *a Susegana*, Martio 1877 (Spegazzini).

Obs. A *Calon. erubescente* (Dmz.) et *Calon. luteola* (Dmz.), quibus affinis, differt peritheciis fere duplo minoribus, e hyalino roseis, ascis tetrasporis, ostiolis crassiusculis &c.

49. **Phyllachora Cynodontis** Niessl Notiz. Pyr. p. 54. Rehm Asc. n. 377. *Phyll. Graminis* f. *Cynodontis* Sacc. M.V. n. 230 et in Rabh. F. E. n. 2241.

Hab. in foliis Cynodontis Dactyli *a Selva, Padova,* 1875–76; Venetiis *al Lido* (Magnus).

50. **Robergea unica** Dmz. XIV Not. p. 177–179 (1847). *Tuberculostoma lageniformis* Sollm., *Ostropa cubicularis* Fckl., non *Sphæria cubicularis* Fr.

Hab. in ramulis emortuis Loniceræ Xylostei *a Colfosco*, Martio 1877, rarissime (Spegazzini).

Obs. Perithecia horizontaliter ampulliformia. Asci cylindrici longissimi, apice rotundati, 260–300 × 6–7, deorsum attenuati, aparaphysati; sporidia (octona?) filiformia 200 × 1, minutissime guttulata, hyalina.

51. **Lophodermium caricinum** (Dmz. & Rob.) Duby. *Hysterium caricinum* Dmz. & Rob.

Hab. in foliis Caricis glaucæ *a Susegana*, Aug. 1877 (Spegazzini).

Obs. Asci clavati, deorsum attenuati basique nodulosi, 70–80 × 6–8, paraphysibus filiformibus simplicibus bifidisve, apice circinatis obvallati, 8spori. Sporidia bacillari-filiformia, 45–50 × 1, rectiuscula, minutissime guttulata, hyalina.

52. **Hysterium** (Gloniopsis) **Moliniæ** DNtrs Recl. Piren. ital. in Comm. Soc. critt. ital. II. 491, Sacc. M. V. n. 1176.

Hab. in culmis vaginisque Triticorum *a Conegliano*, æstate 1877 (Spegazzini).

Obs. Asci oblongo-cylindracei, 50 × 15, apice rotundati, basi brevissime stipitati, 8spori. Sporidia disticha, oblonga, 12–15 × 5–6, utrinque obtusiuscula, constricto–

3–septata, 4-guttulata, hyalina – *Hysterio Typhæ* Fckl. Symb. App. II. p. 327 et *H. minimo* Sacc. affine.

Discomyceteæ.

53. **Hyalopeziza carneola** Sacc. M. V. n. 1196. Gregaria, brevissime stipitata, pallida, disco concaviusculo carneo v. subaurantiaco, usque $^1/_2$ mill. diam., extus, præcipue margine, velutina, pilis apice subincrassatis, subyalinis; ascis cylindraceis, 40 × 5, brevissime stipitatis, 8sporis, paraphysibus (?) cylindraceis, sursum cuspidatis, 70–80 × 6 obvallatis; sporidiis minutissimis, cylindraceis, v. clavulatis, rectis curvulisve, 5–6 × 1, hyalinis.

Hab. in foliis putrescentibus Moliniæ cœruleæ *a Conegliano*, æstate 1877 (Spegazzini).

Obs. Cum *Pez. deminuta* Rob. & Dmz., *P. patenti* Fr., *P. Caricis* Dmz., *P. rosea* Rehm pluribus notis convenit, tamen diversa videtur.

54. **Trichopeziza Aranea** (DNtrs.) Sacc. M.V. Cent. XIII. *Peziza Aranea* DNtrs. Micr. ital. Dec. I. n. 1.

Hab. in capsulis dejectis putrescentibus Castaneæ vescæ, præcipue ad parietes interiores, *a Conegliano*, Jan. 1873 (Spegazzini).

Obs. Cupulæ sessiles, minutæ apertæ, candidæ, extus hyphis hyalinis, flexuosis longiusculis undique vestitæ, excipulo prosenchymatico hyalino. Asci oblongo-clavati, brevissime noduloso-stipitati, 35–40 × $5^1/_2$–6, paraphysibus filiformibus longioribus (50–55 × 1) obvallati, octospori. Sporidia disticha oblonga, 7–8 × 2–3, utrinque obtusiuscula, hyalina.

55. **Pseudopeziza Cerastiorum** (Wallr.) Schröt. F. Siles. exs. n. 52. *Peziza Cerastiorum* Wallr. Fl. Crypt. Germ. 465. *Trochila Cerastiorum* DNtrs. Discom. in Comm. critt. I. p. 320.

Hab. in foliis languidis Stellariæ mediæ *a Conegliano*, Jan. 1877 (Spegazzini).

Obs. Asci clavati, breve crassiuscule stipitati, apice acutati, 60–70 × 7–8, paraphysibus filiformibus, quandoque bifidis, 80 × 2–3, obvallati, 8spori. Sporidia fu-

soidea v. subclavulata, 14–15 × 3–3½, 2-guttulata, nubilose hyalina. Contextus excipuli laxe parenchymaticus, atro-fuligineus.

56. **Pyrenopeziza hysterina** Sacc. M. V. n. 1195. Cupulis erumpentibus, scutellaribus, sessilibus, ¼–⅓ mill. diam., glabris, subcoriaceis, siccis compresso-clausis, udis apertis, nigris, disco cinerascente; excipulo solidiusculo, fuligineo, parenchymatico, ad marginem prosenchymatico; ascis cylindraceis, apice rotundatis, 70 × 10, breve stipitatis, paraphysibus filiformibus obvallatis, 8sporis; sporidiis subfusoideis, curvulis, 18 × 4, sæpius 4-guttulatis, hyalinis.

Hab. in culmis vaginisque Moliniæ cœruleæ putrescentibus *a Susegana*, Aug. 1877 (Spegazzini).

Obs. Peziza melatephræ Lasch & forte *Trochilæ diminuenti* Karst. affinis videtur.

57. **Cryptodiscus atrovirens** (Fr.) Cda Icon. fung. II. 37 fig. 130, Sacc. M.V. n. 1199., *Stictis atrovirens* Fr. Scler. n. 278 (non vidi).

Hab. in ligno indurato Paulowniæ imperialis *a Vittorio*, Oct. 1877 (Spegazzini).

Obs. Asci cylindraceo-clavati, breve stipitati, 65–75 × 14–16, apice rotundati, paraphysibus filiformibus apice ramulosis et materie viridescente obductis obvallati, octospori. Sporidia botuliformia, curvula, utrinque obtusiuscula, 15–22 × 5–6, 3-septata, non constricta, hyalina. In Friesii S. M. et Summa Veg. Scand. hæc species omissa est; an ex oblivione, an consulto? Sensu Karstenii (Mycol. Fenn. I. p. 21) generi *Stictidi* adscribenda est, sed hoc nomen alio sensu sumit De Notaris, alioque Fuckel.

Sphæropsideæ

58. **Diplodia Taxi** (Sow.) DNtrs, *Sphæria Taxi* Sow. *Sphæropsis Taxi* Bk., Sacc. M.V. n. 999.

Hab. in foliis Taxi baccatæ dejectis *a Padova*, Oct. 1876 (Bizzozero).

59. **Diplodia Rhois** Sacc. M.V. n. 1021. Peritheciis

gregariis vel hinc inde aggregatis, epidermide pustulata tectis, tandem erumpentibus, globosis, papillatis, nigris; stylosporis oblongis, constricto-1-septatis, 20–22 × 8–10, fuligineis.

Hab. in ramis emortuis Rhois glabræ, jam cultæ, in sylva *Montello*, Oct. 1876, socia *Botryosphæria Bérengeriana* DNtrs.

60. **Diplodia sarmentorum** (Fr.) Dmz., Fr. Summa Veg. Scand. 417, Sacc. M. V. n. 1022.

Hab. in sarmentis emortuis Menispermi canadensis, in Horto Patavino, Apr. 1876.

Obs. Stylosporæ didymæ, 25–30 × 14, fuligineæ.

61. **Diplodia Paliuri** Becc. Erb. critt. ital. ser. I. n. 1290, Sacc. M.V. n. 1023.

Hab. in ramulis Paliuri aculeati emortuis *a Vittorio, Conegliano*, Aut. 1875–76.

62. **Diplodia Alni** Fckl. Symb. mycol. 395, Sacc. M.V. n. 1024.

Hab. in ramis emortuis Alni glutinosæ *a Selva*, Nov. 1873.

63. **Diplodia smilacina** Berk., Sacc. M.V. n. 1027.

Hab. in sarmentis Smilacis Alpini emortuis in Horto Patavino, Apr. 1876.

Obs. Stylosporæ breves, didymæ, 20 × 14, fuligineæ.

64. **Diplodia Castaneæ** Sacc. M. V. n. 1028. Peritheciis gregariis, lignicolis, superficialibus, globulosis, papillulatis, atris; stylosporis oblongis constricto-1-septatis, 18–20 × 9–10, fuligineis. – var. **corticola**: peritheciis subtectis, corticolis; ceterum non diversa.

Hab. in ramis decorticatis Castaneæ vescæ *a Padova*, Sept. 1875 (Bizzozero), var. *a Conegliano*, Aut. 1876 (Spegazzini).

65. **Diplodia syriaca** Sacc. M.V. n. 1202. Peritheciis plerumque cæspituloso-aggregatis, tectis, dein, epidermide fissa, semierumpentibus, globoso-depressis, obtuse papillatis, nigerrimis, corticeque nigricante exceptis; contextu crassiusculo sed laxe parenchymatico, fuligineo; stylosporis oblongis, initio stipitellatis, continuis, 25 × 10–11

nubilose hyalinis, tandem constricto–1–septatis, 20–24 ≈ 8–10, fuscis.

Hab. in ramis corticatis Hibisci syriaci *a Padova*, Febr. 1877.

Obs. Probabiliter status pycnidicus *Botryosphæriæ Bèrengerianæ* DNtrs.

66. **Diplodia atrata** (Dmz.) Sacc. M.V. n. 1204., *Sphæria atrata* Dmz. Not. IX. p. 15 (1842). *Diplodia Negundinis* Thüm. Exsicc., *D. Aceris* v. *Negundinis* Thüm. F. A. n. 1289., *Sphæria Negundinis* Opiz (1852) sec. Thüm.

Hab. in ramis Aceris Negundinis emortuis *a Padova* Apr. 1877.

Obs. Stylosporæ ovato-oblongæ, constricto–1–septatæ, 22–25 ≈ 12, opace fuligineæ.

67. **Diplodia pinea** (Dmz.) Kx. Flandr. I, 397, Sacc. M.V. n. 1205, *Sphæria pinea* Dmz., *Sporocadus pineus* Dmz. secundum Kx.

Hab. Perithecia globoso-papillulata, erumpentia. Stylosporæ oblongæ, 35–40 ≈ 16–18, stipitellatæ, initio continuæ, luteolæ, dein 1–septatæ, vix constrictæ, fuligineæ.

68. **Diplodia caricina** Sacc. M.V. n. 1206. Peritheciis gregariis, globosis, innato-erumpentibus, atris, ostiolo conoideo parum emergente; stylosporis obovoideis, 25 ≈ 15, diu continuis, fuligineis.

Hab. in foliis emortuis Caricis japonicæ in Horto Patavino, vere 1877 (Bizzozero).

69. **Diplodia Corchori** (Dmz.) Flandr. I. p. 399. Sacc. M. V. Cent. XIII. *D. Kerriæ* Berk. sec Kx.

Hab. in ramulis Kerriæ japonicæ *a Selva*, Aut. 1875 *a Padova*. Dec. 1877.

Obs. Stylosporæ didymæ utrinque rotundatæ, 20–22 ≈ 7 $^3/_4$–8, fuligineæ.

70. **Diplodia rubicola** Sacc. M. V. Cent. XIII. Peritheciis gregariis, globosis, exquisite papillatis, nigris, initio tectis, dein erumpentibus; stylosporis obovatis, 25–28 ≈ 12, diu continuis, olivaceo-fuligneis basidiis filiformibus, 10–12 ≈ 3, hyalinis suffultis.

Hab. in ramis Rubi fruticosi putrescentibus *a Padova*, Dec. 1877.

Obs. A *Dipl. Rubi* Fr. peritheciis majoribus, prominentibus, stylosporis majoribus diu (semper?) continuis &c. recedit *Diplodia Rubi* Fr. stylosporis contricto–1–septatis, 20 × 8, atro-fuligineis instructa est.

71. **Phoma Hippoglossi** (Mtgn.) Sacc. *Sphæropsis Hippoglossi* Mtgn., Sacc. M.V. n. 1000. (var. *Rusci aculeati*).

Hab. in cladodiis languidis Rusci aculeati in sylva *Montello*, Aug. 1876.

Obs. Perithecia in maculâ pallidâ nunc indeterminatâ, nunc rufo-cinctâ gregaria, epidermide velata, globoso-depressa, $^1/_{10}$ mill. diam.. poro albo pertusa. Spermatia globoso-ovoidea, 10–12 × 8–11, guttulis minutis farcta, hyalina, initio brevissime stipitellata.

72. **Phoma Lebiseyi** Sacc. M.V. n. 774. Spermog. *Diaporthis Lebiseyi* (Dmz.) Niessl. Peritheciis gregariis, epidermide velatis, globoso-depressis, atris; spermatiis ovato-fusoideis, 8–10 × 3, 2-guttatis, hyalinis, basidiis filiformibus sesquilongioribus fultis.

Hab. in ramis Aceris Negundinis emortuis *a Conegliano* Apr. 1876 (Spegazzini).

73. **Phoma Asparagi** Sacc. M.V. n. 932. Spermog. *Diaporthis Asparagi* Nke, Fckl. Symb. 207. Peritheciis gregariis, epidermide velatis, globoso-depressis; spermatiis oblongis, 7–8 × 3, 2–guttulatis, hyalinis; basidiis nullis visis,

Hab. in caulibus putrescentibus Asparagi officinalis *a Padova*, Oct. 1876.

74. **Phoma rudis** Sacc. M.V. n. 933. Spermog. *Diaporthis rudis* (Fr.) Nke, Sacc. Mycol. Ven. p. 140. Peritheciis gregariis epidermide primitus velatis, globoso-depressis; spermatiis oblongo-cylindraceis, 6–7 × 2, 2–guttulatis, hyalinis, basidiis filiformibus fultis.

Hab. in ramulis Cytisi Laburni emortuis *a Selva*, Sept. 1876.

75. **Phoma resecans** Sacc. M. V. n. 934. Spermog. *Diaporthis resecantis* Nke, Sacc. Mycol. Ven. 138 et

M.V. n. 935. Perithecis subcutaneis, globoso-depressis, gregariis; spermatiis oblongo-ovatis, 10 × 3, rectis, 2-guttulatis, hyalinis, basidiis filiformibus, hamatis, 30 × $1^1/_2$, suffultis.

Hab. in ramis Syringæ vulgaris *a Selva*, Sept. 1876.

76. **Phoma pterophila** (Nke) Fckl. Symb. myc. 377., Sacc. M.V. n. 1031.

Hab. in samaris dejectis Fraxini, in Horto Patavino, Oct. 1876 (Bizzozero).

Obs. Spermatia oblonga, 8 × 3, 2–guttulata, hyalina, sterigmatibus filiformibus suffulta. A *Ph. Samararum* Dmz. peritheciis multo majoribus imprimis differt. *Diaporthis samaricolæ* Plow. verisimiliter uti status spermogonicus habenda est.

77. **Phoma nebulosa** (Fr.) Mtgn., Sacc. M.V. n. 1207. *Sphæropsis nebulosa* Fr.

Hab. in caulibus emortuis Petroselini sativi *a Selva*, Sept. 1877.

78. **Phoma Malvacearum** West., Kx Flandr. I. 438, Sacc. M.V. n. 1208.

Hab. in caulibus Althææ roseæ putrescentibus *a Padova*, Apr. 1877.

Obs. Perithecia initio epidermide velata, dein, ea secedente, superficialia, globulosa, tandem collabescendo umbilicata, $^1/_6$–$^1/_8$ mill. diam., nigra. Spermatia oblonga, sæpe leniter curva, 5–6 × 2–$2^1/_2$, 2-guttulata, hyalina.

79. **Phoma Diospyri** Sacc. M. V. n. 1209. Perithecis gregariis v. subaggregatis, subsuperficialibus v. semiimmersis, globoso-papillatis, nigris, contextu parenchymatico subcarbonaceo; spermatiis fusoideis, 7–8 × 2, rectis v. leniter curvis, 2–guttulatis, hyalinis, basidiis fasciculatis filiformibus, simplicibus, ramulosisve, 18–20 × $1^3/_4$, hyalinis, e strato proligero subochraceo orientibus.

Hab. in ramis decorticatis Diospyri Loti in Horto botanico Patavino, Majo 1877.

80. **Phoma Coronillæ** (Dmz.) West., Kx Flandr. I. 438. Sacc. M.V. n. 1210. Spermog. *Diaporthis Coronillæ* Sacc. Fungi Veneti Ser. IV. 3 et V. 181.

Hab. in ramulis emortuis Coronillæ Emeri *a Selva, Padova*, Aut. 1875–77.

Obs. Spermatia ovato-oblonga, 7–8 × 3, 2-guttulata, hyalina, basidiis filiformibus arcuatis, 20 × $1^1/_2$, suffulta.

81. **Phoma protracta** Sacc. M.V. n. 1211. Peritheciis in acervulos elongatos, subparallelos digestis, erumpentibus, globulosis, papillatis, aterrimis; spermatiis minutis, oblongis, 4 × $1^3/_4$, hyalinis, basidiis filiformibus fasciculatis, hyalinis, 25 × $1^1/_2$, suffultis.

Hab. in ramis corticatis emortuis Aceris campestris, *a Padova*, Dec. 1876.

Obs. Verisimiliter status spermogonicus *Cucurbitariæ protractæ* Fckl.

82. **Phoma Berberidis** Sacc. Stat. spermog. *Cucurbitariæ Berberidis* (Pers.) Gray. Cfr. Sacc. Mycol. Ven. p. 121. tab. XII fig. 29. Peritheciis subsuperficialibus, aggregatis, globoso-conoideis, vertice breve setulosis, verruculosis, nigris; spermatiis oblongis, tenuissimis, 3–4 × $^1/_2$–$^3/_4$, hyalinis, in basidiis ramulosis acrogenis.

Hab. in ramis emortuis Berberidis vulgaris *a Selva, Padova*, socia *Cucurbitaria*, Aut. 1873.

83. **Phoma leucostigma** (Lév.) Sacc. M. V. Cent. XIII. *Sphæropsis leucostigma* Lev., Fckl. Symb. mycol. p. 397.

Hab. in foliis dejectis Hederæ Helicis *a Padova*, Jan. 1878.

Obs. Spermatia oblonga, 10–12 × 3–4, 2-guttulata, hyalina, basidiis sursum attenuatis, subæquilongis suffulta.

84. **Phoma Pulviscula** Sacc. M.V. Cent. XIII. Peritheciis subsuperficialibus epixylis, gregariis, subglobosis, papillulatis, diam. 100 micr. contextu minute parenchymatico fuligineo; spermatiis oblongis, minutissimis, 4 × 1–$^1/_2$, hyalinis, basidiis 5 × 2. sursum attenuatis suffultis.

Hab. in ligno udo salicino (?) *a Padova*, Dec. 1877 (Bizzozero).

Obs. Probabiliter status *Melanommatis Pulvisculæ* – *Phomæ pineæ* et *Ph. Pulveri pyrio* Sacc. affinis.

85. **Phoma oncostoma** Thüm. M. U. n. 877. Stat. sper-

mog. *Diaporthis oncostomæ* (Duby) Fckl., Sacc. M. V. n. 663 et Mycol. Ven. 125 cum ic.

Hab. in ramulis corticatis Robiniæ Pseudacaciæ *a Selva, Padova* &c. vere 1874-77.

86. **Phyllosticta profusa** Sacc. M.V. n. 1213. Maculis plerumque epiphyllis, arescendo obsolete candicantibus, confluentibus, demumque totam fere paginam occupantibus; peritheciis densiuscule et æqualiter gregariis, punctiformibus, globoso-lenticularibus, 100 micr. diam., pertusis; spermatiis oblongis, 4–5 × 2, utrinque obtuse rotundatis, obsolete 2-guttulatis, hyalinis.

Hab. in foliis Cirsii arachnoidei emortuis in Horto Patavino. Oct. 1877.

Obs. A *Phyllosticta Cirsii* Dmz. statim dignoscenda.

87. **Septoria Cerastii** Rob. & Dmz., Kx. Fland. 1. 435. Sacc. M.V. n. 1226.

Hab. in foliis caulibusque languentibus Cerastii vulgati, æstate 1877 (Spegazzini).

Obs. Perithecia globoso-lenticularia, nigra, poro pertusa, diam. 80 micr. Spermatia bacillaria, 30–40 × 1, recta v. lenissime curva, obsolete guttulata, hyalina.

88. **Septoria Atriplicis** (Dmz.) Sacc. Fungi Veneti Ser. VII. p. 190 – f. *Chenopodii muralis* M.V. n. 1228.

Hab. in ejusdem foliis *a Conegliano*, æstate 1877 (Spegazzini).

Obs. Maculæ initio minimæ, obsoletæ, tandem latæ et distincte ochraceæ fiunt. Spermatia in hac forma 20–25 × 3–3½.

89. **Chætomella brachyspora** Sacc. & Sp. M.V. n. 1229. Peritheciis sparsis, subsuperficialibus e globoso depressis, vix ½ mill. diam., astomis, nigris, undique setulis rigidulis, parce septatis, 100–150 × 8–10, fuscis, sursum pallidioribus apiceque obtusiusculis, vestitis; contextu perithecii laxiuscule parenchymatico fusco; spermatiis ovato-oblongis, utrinque rotundatis v. subtruncatis, 5–6 × 3, obsolete 2-guttulatis, olivaceis, e strato proligero celluloso, subhyalino immediate oriundis.

Hab. in cortice duriore Catalpæ syringifoliæ *a Conegliano*, Martio 1877 (Spegazzini).

90. **Asteroma venulosum** (Wallr.) Fckl. f. **Iridis Pseudacori** Sacc. M.V. n. 991.

Hab. in ejusdem foliis languidis *a Vittorio*, Oct. 1876.

91. **Asteroma subradians** Fr. f. **Agraphidis nutantis** Sacc. M.V. n. 992.

Hab. in ejusdem caulibus emortuis in Horto Patavino, Junio 1874.

92. **Leptostroma Castaneæ** Spr., Sacc. M.V. n. 990. *Xyloma geographicum* Pers., *Sphæria castanicola* DC. – Spermog. *Coccomycetis dentati* (Kze & Schm.) Sacc. f. *Castaneæ*.

Hab. in foliis dejectis Castaneæ vescæ in Euganeis, Martio 1873.

Obs. Spermatia cylindracea, 5–6 × $^3/_4$, hyalina.

93. **Leptostroma quercinum** Lasch., Sacc. Fung. Ven. Ser. VI. p. 59.

Hab. in foliis dejectis Quercuum in sylva *Montello*, socio st. ascoph. *Coccomycete dentato* (Kze & Schm.) Sacc.

Obs. Spermatia bacillari-navicularia, 9 × $1^1/_2$, hyalina.

94. ?**Cytispora** (Libertella) **quercina** West. Sacc. M.V. n. 931. Spermog. *Diaporthis leiphæmæ* (Fr.) Sacc.

Hab. in cortice quercino *a Selva*, Oct. 1875.

Obs. Nuclei transverse oblongi, innato-erumpentes, perithecio genuino destituti, sordide rosei. Spermatia cylindraceo-fusoidea, 10–12 × 2–3, lenissime curvula, obsolete 2–guttulata, hyalina, basidiis filiformibus brevibus suffulta.

95. **Pestalozzia sessilis** Sacc. M.V. n. 975. Maculis parvis angulosis albicantibus, rufo-cinctis; peritheciis epiphyllis, innatis, epidermide velatis, dein circumscissâ pertusis, lenticularibus; sporis sessilibus, oblongis, 9–11 × $3^1/_2$, 1–septatis, leniter constrictis, dilute olivaceis, setis ternis, 14 × 1, hyalinis apice coronatis.

Hab. in foliis languidis Rubi cæsii *a Colfosco*, Sept. 1876.

Obs. A ceteris speciebus longe diversa.

Melanconieæ.

96. Glœosporium nervisequum (Fckl.) Sacc. M. Ven. Cent. III. *Fusarium nervisequum* Fckl. Symb. p. 369 (f. *Platani*).

Hab. in nervis foliorum languidorum Platani orientalis *a Padova*, Dec. 1877.

Obs. I. A *Glœosp. Platani* (Mtgn.) Oud. quocum junxeram (Michelia II. 218) satis differt acervulis compactioribus, multo obscurioribus, magis prominentibus, nervicolis, basidiis longioribus (20–25 × 2 $^1/_2$–3) &c. Quum cl. Montagne ad suum *Fusarium Platani* referat *Hymenulam Platani* Lév. (quam cl. Fckl. ad suum *Fus. nervisequum* duxit) de horum identitate non dubitavi; sed autopsia contrarium docuit.

Obs. II. Ad *Glœosp. paradoxum* (DNtrs). Fckl. pertinet synonimon posterius *Fusarium pezizoides* Dmz. XX. Not. (1852) p. 19, Kx Flandr. I. 455 – *Glœosporium Populi albæ* Dmz. forma *Tremulæ* in M. V. Cent. XIII prodibit. In hac conidia fusoideo-botuliformia, curvula 10–15 × 1 $^3/_4$–2, basidiis filiformibus, vix 5–6 lgs fulta. Hæc forma jam ab anno 1843 lecta est *a Conegliano* ab Eq. de Bérenger.

Tuberculariaceæ.

97. Tubercularia vinosa Sacc. M.V. n. 1089. *Tub. persicinæ* Ditm. valde affinis, a qua differt cæspitulis majoribus, vinosis; conidiis subglobosis v. ovoideis 11–12 × 10 (nec 7–8 diam.), basidiis brevioribus crassioribus simplicibus suffultis.

Hab. in pagina inferiore foliorum Tussilaginis Farfaræ *a Padova* et *Selva*, Aut. 1876.

98. Tubercularia confluens Pers. Syn. p. 113., M.V. n. 1232.

Hab. in ramis corticatis Ailanthi glandulosæ *a Selva*, Apr. 1877.

99. Tubercularia ampelophila Sacc. Vajolo Viti, in Riv. Viticolt. ed Enol. ital. Sett. 1877. Acervulis mi-

nutis, erumpenti-superficialibus, dense gregariis confluentibusque, pallide roseis; basidiis fasciculatis simplicibus ramosisque septatis, nubilose hyalinis, apice conidia (catenulata?) globosa v. ellipsoidea, 6–7 × 6, nubilosa e hyalino dilutissime rosea gerentibus.

Hab. in pustulis Glœosporii ampelophagi (Pass.) Sacc. ad baccas Vitis viniferæ (var. *Lugliatica*) *a Selva*, Aug. 1877.

Obs. A *Glœosporio*, quocum nascitur, acervulis majoribus, conidiorum forma et magnitudine statim dignoscitur. Cum eodem *Glœosporio* nec non cum *Fusisporio Zaviano* Sacc. metagenetice forte connectitur.

100. **Illosporium roseum** Fr., Cda Icon. Fung. III fig. 2.

Hab. in lichenibus senescentibus e. g. Borrera *a Padova*, *Conegliano*, *Cadore*, vere 1875–76.

101. **Illosporium maculicola** Sacc. M.V. n. 1233. Maculis foliorum variis, arescentibus; acervulis e globoso conoideis, gregariis, superficialibus, 500 micr. altis, 200 cr. pallide roseis, verruculosis, ex hyphis varie ramosis denseque intricatis, pluriarticulatis, guttulatis, dilutissime roseis, conflatis; conidiis (cellulis apicalibus?) ovoideis, 8–12 × 4–6, continuis, quandoque spurie 1-septatis, hyalino-roseis, in hypharum apice nunc conico nunc filiformi acrogenis.

Hab. in maculis arescentibus foliorum plantarum variarum e. g. Ajugæ reptantis, Veronicæ Chamædryos, Violæ odoratæ, Cornisanguineæ, Plantaginis majoris, Aquilegiæ vulgaris, Leontodontis hastilis, Centaureæ nigrescentis, Potentillæ reptantis, Ranunculi repentis, Glechomæ hederaceæ, Pulmonariæ officinalis, Trifolii repentis, Plantaginis lanceolatæ, *a Selva*, Sept. 1876-77.

102. **Microcera Massariæ** Sacc. M.V. n. 1059. (Stat. conid. *Calonectriæ Massariæ* [Pass.] Sacc.) *Fusarium ciliatum* Sacc. Myc. Ven. 188 t. XVII. fig. 9, non A. S., (*Tuberc. ciliata*) quæ *Volutella ciliata* Fr.

Hab. in Massaria inquinante Aceris compestris *a Padova* Febr. 1873, raro.

103. **Epicoccum purpurascens** Ehrh., Kx Flandr., II. 102., Sacc. M.V. n. 1074. et var. **aleurophilum**, M.V. n. 1240: acervulis majoribus; conidiis sphæricis 18–20 micr. diam., verruculosis, olivaceo-fuligineis, brevissime stipitatis.

Hab. in foliis Zeæ Maydis putrescentibus; var. in pulte zeina (*polenta*) putrida et in farina frumentaria *a Padova*, *Treviso*, sociis plerumque *Cladosporio herbarum* et *Alternaria tenui*.

Hyphomyceteæ.

104. **Coniothecium effusum** Cda Icon. fung. I. fig. 21. Sacc. M.V. n. 1093.

Hab. in ligno salicino decorticato *a Selva*, Sept. 1875.

105. **Hadotrichum? Populi** Sacc. M. V. n. 1256. Acervulis punctiformibus, gregariis, ambitu inæqualibus, atris, in maculis foliorum dealbatis, epiphyllis, subsuperficialibus; strato proligero e cellulis oblongis dense stipatis olivaceo-fuligineis sursum sæpe acutatis conflato; conidiis e globoso ovoideis 4–5 × 3, subhyalinis, parcissimis.

Hab. in foliis nondum emortuis Populi nigræ, *a Selva*, Oct. 1877,

Obs. Stirps mihi dubia, etsi suis locis copiosa.

106. **Dicoccum inquinans** Sacc. M. V. n. 1254. Effusum atrum, superficiale; conidiis cylindraceo-clavatis, apice rotundatis, basi truncatis, 16–20 × 4–5, medio 1-septatis, non constrictis, fuligineis, stipite brevissimo hyalino (ex mycelio obsoleto) suffultis, denique matricem late atro-inquinantibus.

Hab. in libro (quem enecat) Populi italicæ *a Conegliano*, æstate 1877, socia *Rhizomorpha* &c. (Spegazzini).

107. **Stigmella dryina** (Cda) Lév., Sacc. M. V. n. 1065 (non n. 555, quæ *Leptothyrium dryinum* Sacc. sistit), *Sporidesmium foliicola* Dmz., *Dicoccum dryophilum* Cda.

Hab. in pag. inferiore Quercus pubescentis *a Vittorio*, Oct. 1875.

108. **Passalora dendritica** (Wallr.) Sacc. M. V. n. 1246. *Fusicladium dendriticum* (Wallr.) Fckl. Symb. 357., var. **orbiculata** Bk., Cfr. Kx Fl. Flandr. II. 303-304.

Hab. in pagina superiore foliorum Sorbi torminalis *a Conegliano*, æstate 1877 (Spegazzini).

Obs. Conidia obclavato-pyriformia, 30 × 7–9, diu continua, tandem 1–septata, lenissimeque constricta, olivacea. Hyphæ filiformes, 50–60 × 5, septulatæ, olivaceæ. Ob conidia demum bilocularia vera *Passaloræ* species. Genus *Passalora* jam ab anno 1836 a Mtgn. & Fr. conditum est; *Fusicladium* anno 1851 a Bonordenio institutum.

109. **Menispora ciliata** Cda Anl. LXII t. B 14. fig. 2. Sacc. M. V. n. 1083.

Hab. in ligno quercino putrescente *a Selva*, Oct. 1876.

110. **Torula hyalinula** Sacc. M. V. n. 1255. Effusa alba, arachnoidea; hyphis repentibus, ramosis, continuis, hinc inde ramulos fertiles erectos, 20–30 × 2, emittentibus; conidiis concatenatis, oblongis v. breve cylindraceis, utrinque obtusis, 4–6 × $1^3/_4$–2, hyalinis.

Hab. parasitica in Capnodio Footii folia Oleæ fragrantis invadente, in Horto Patavino, Febr. 1877.

111. **Torula perpusilla** Sacc. M. V. n. 1056. Cæspitulis minutis candidis, confluentibusque; conidiis globulosis tenuissimis ca. $^1/_3$ micr. diam., in catenulas elongatas digestis, hyalinis.

Hab. in foliis variis coacervatis fermentescentibus et putrescentibus *a Selva*, Oct. 1876.

112. **Torula vinosella** Sacc. M. V. n. 1057. Cæspitulis pulvinatis, isabellino-vinosis, minutis; conidiis globosis v. subcuboideis, 2–$2^1/_2$ micr. diam., 1–guttulatis, e roseo hyalinis, in catenulas plus v. minus elongatas digestis.

Hab. in Polyporo Pede Capræ aliisque fungis udis, sociis *Penicillio*, *Cladosporio*, *Aspergillo*, in sylva *Montello*, Oct. 1873-77.

113. **Oidium Lactis** Fres., Sacc. Int. all'*Oid. Lact.* p. 1–7 et M. V. n. 1243. *Mycoderma Malti juniperini* Dmz.

(1826), *Chalara Mycoderma* Bonord. (1851), ?*Coprotrichum purpurascens* et *cinereum* Bonord. (1851), *Oidium albicans* Robin (1853), *Mycoderma Lactis butyri* Dmz. (1853-60), *Oidium obtusum* Thüm. (1875).

Hab. in superficie aquæ, in qua caryopsides Zeæ Maydis diu maceratæ sunt, *a Padova*, Iunio 1877.

114. **Gyroceras Plantaginis** (Cda) Sacc. M. V. n. 1058. *Torula Plantaginis* Cda Ic. III. t. 1 fig. 14.

Hab. in foliis Plantaginis mediæ languidis in sylva *Montello* et *a Conegliano*, Oct. 1876.

Obs. Species *Gyrocerati Celtis* (Biv.) M. & C. proxime affinis.

115. **Ramularia Ajugæ** (Niessl) Sacc. M. V. n. 1048, *Fusidium Ajugæ* Niessl in Fckl. Nass. 35.

Hab. in foliis Ajugæ reptantis languidis *a Colfosco*, Sept. 1876.

116. **Ramularia Parietariæ** Pass. in Rabh. F. E. n. 2066., Sacc. M. V. n. 1044.

Hab. in foliis Parietariæ officinalis languidis *a Padova*, Julio 1876. Ex *Alençon* misit cl. C. C. Gillet.

117. **Ramularia calcea** (Dmz.) Des in Kl Herb. mycol. 1681 (non vidi), Sacc. M. V. n. 1045. *Fusisporium calceum* Dmz.

Hab. in foliis Glechomæ hederaceæ *a Padova*, Junio 1875.

118. **Ramularia variabilis** Fckl. Symb. mycol. 361. f, **Verbasci Blattariæ** Sacc. N. 1046.

Hab. in ejusdem foliis languidis *a Bavaria* (Treviso), Sept. 1876.

119. **Ramularia ovata** Fckl. Symb. mycol. p. 362, Sacc. M. V. n. 1047.

Hab. in pag. inferiore Salviæ pratensis *a Selva*, *Conegliano*, *Padova*, aut. 1876–77

120. **Cercospora cerasella** Sacc. M. V. n. 1051. Maculis subrotundis, epiphyllis e brunneo pallidis; hyphis fasciculatis erectis, distincte brevi-ramulosis, 30–40 × 3, subcontinuis, guttulatis, fuligineis, basi in ganglium stromaticum coalitis; conidiis bacillari-obclavatis, 40–60 ×

3–4, rectiusculis, guttulatis, vel spurie 1–3-septatis, pallide fuligineis.

Hab. in foliis Cerasorum *a Selva, Padova*, aut. 1876-77.

121. **Cercospora Calendulæ** Sacc. M. V. n. 1054. Maculis amphigenis subcircularibus arescendo expallentibus, olivaceo-cinctis; hyphis cæspitulosis, brevibus, crassis, 40–65 × 6–7, subseptatis, sursum nodulosis, fuligineis; conidiis obclavato-bacillaribus, 5–7-septatis, 65–80 × $3^1/_2$–$4^1/_2$, hyalinis.

Hab. in foliis languidis Calendulæ officinalis *a Conegliano*, Oct. 1876 (Spegazzini).

122. **Cercospora Galegæ** Sacc. M. V. n. 1055. *Cercosp. radiata* Sacc. Mycol. Ven. p. 181 (p. p. in *Galega*). Maculis oblongis, arescendo dealbatis, fusco-cinctis; hyphis cæspitulosis cylindraceis hinc inde gibbosis, 30–35 × $3^3/_4$–4, remote septatis, dilute fuligineis; conidiis bacillari-fusoideis, 60–90 × 4, curvulis, apice obtuse attenuatis, pluriseptatis, hyalinis.

Hab. in pagina superiore foliorum Galegæ officinalis *a Selva*, Oct. 1876.

Obs. A *Cercosp. radiata* Fckl. maculis dealbatis, conidiisque non radiatim aggregatis recedit.

123. **Cercospora rosicola** Pass. in Thm. M. U. n. 333 et in Just Jahresb. 1875 p. 276. Sacc. M. V. n. 1249.

Hab. in pagina superiore foliorum Rosæ centifoliæ *a Selva*, Oct. 1877.

Obs. Maculæ arescendo ochraceæ, fusco-cinctæ; hyphæ epiphyllæ in cæspitulos parvos hemisphæricos dense aggregatæ, 20 × 3, fuligineæ, subcontinuæ; conidia cylindracea rectiuscula, brevia, 30–40 × $3^1/_2$–5, 2–4-septata e hyalino fuscidula.

124. **Cercospora Plantaginis** Sacc. sp. nova. Maculis amphigenis, arescendo fuscescentibus, variis; hyphis hinc inde fasciculatis, cylindraceis, septatis, 40–50 × 3, olivaceis; conidiis obclavato-acicularibus, sursum acute cuspidatis, usque 200 × 4^1_2, pluri- (–20) septatis, hyalinis.

Hab. in foliis Plantaginis lanceolatæ languidis *a Selva*, Sept. 1873.

125. **Cercospora pantoleuca** Sacc. s. n. Maculis foliorum epiphyllis sinuosis arescendo candicantibus, fusco-cinctis; cæspitulis dense gregariis, albis; hyphis laxe fasciculatis filiformibus, assurgentibus, parce septatis, 50–60 × $3^1/_2$, apicem versus denticulatis, hyalinis; conidiis e denticulis oriundis, acicularibus, sursum cuspidatis rectis curvulisve, 3–4–septatis, 60–80 × 3–$3^1/_2$, hyalinis.

Hab. in pagina superiore foliorum Plantaginis lanceolatæ *a Selva*, Sept. 1876.

Obs. A *Cercosp. Plantaginis* Sacc., nunc descripta, maculis albis, hyphis hyalinis, conidiis multo brevioribus et parcius septatis statim dignoscitur.

126. **Cercospora Cistinearum** Sacc. s. n. Maculis plerumque epiphyllis, subcircularibus, griseis, rufo-purpureo-marginatis; cæspitulis punctiformibus, gregariis; hyphis fasciculatis cylindraceis, sublevibus, 35–45 × 5, apice rotundatis, septulatis dilute fuligineis; conidiis elongato-fusoideis, rectiusculis, 10–15 × 4, initio continuis, tandem 2–3–septatis, utrinque obtusiusculis, hyalinis.

Hab. in foliis languidis Helianthemi vulgaris in Horto Patavino, Nov. 1877.

127. **Cercospora olivascens** Sacc. M. V. n. 1251. Maculis hypophyllis, fuscidulis; cæspitulis gregariis, griseo-olivaceis; hyphis fasciculatis, filiformibus, 200 × 5, rectiusculis, e latere denticulos conidiophoros parce gerentibus, pluriseptatis, olivaceis; conidiis acicularibus, sursum cuspidatis, 130–150 × 4–$4^1/_2$, basi subtruncatis, pluri– (8–12–) septatis, hyalinis.

Hab, in pagina inferiore foliorum Aristolochiæ Clematitis et Phaseoli vulgaris *a Selva*, Aug. 1877.

Obs. Species probe distincta.

128. **Cercospora tinea** Sacc. M. V. n. 1252. Maculis amphigenis, fuligineis; cæspitulis sparsis, punctiformibus, e basi stromatica pulvinata cellulosa, intense fuliginea oriundis; hyphis filiformibus dense fasciculatis, strictis, continuis, 20–50 × 3, hyalino-fuscidulis; conidiis bacillaribus, curvulis, 50 × 3–$3^1/_2$, apice obtusiusculis, pluriguttulatis, fumose hyalinis.

Hab. in foliis languidis Viburni Tini *a Padova*, Oct. 1877 (Bizzozero).

129. **Cercospora althæina** Sacc. sp. nova. Maculis amphigenis angulosis, brunneis, hyphis fasciculatis filiformibus, 40 × 5 (rarius usque 100 lgs) pauciseptatis, fusco-olivaceis; conidiis in hypharum apicibus cylindraceo-obclavatis, v. anguste fusoideis, rectiusculis, 40–50 × 5, 2–4–septatis, apice obtusiusculis, hyalinis.

Hab. in foliis Althææ roseæ *a Selva*, Aut. 1876.

Obs. A *Cercop. nebulosa* Sacc. hyphis olivaceis nec rufis, conidiis multo brevioribus, parcius septatis, præterea habitu et loco alieno recedit.

130. **Cercospora Carlinæ** Sacc. sp. nova. Maculis nullis v. obsoletis; cæspitulis hypophyllis, gregariis, olivaceis; hyphis fasciculato-effusis, simplicibus, cylindraceis, nodulosis, 100 × 4, septulatis, olivaceo-fuligineis; conidiis cylindraceo-obclavatis, rectiusculis, breviusculis, 50–60 × 4, 4–6–septatis, olivaceis.

Hab. in pagina inferiore foliorum Carlinæ vulgaris *a Nervesa*, Aug. 1873.

Obs. Affinis *Cercosp. ferrugineæ* Fckl. et *C. Bellynckii* (West.) Sacc., sed notis datis satis diversa.

131. **Cercospora Lythri** (West.) Niessl, *C. sanguinea* Fckl. Symb. Mycol. p. 354.

Hab. in pag. inferiore foliorum Lythri Salicariæ *a Selva*, Sept. 1877.

132. **Asterosporium Hoffmanni** Kze., Sacc. M.V. n. 1069. *Stilbospora asterosperma* Hoffm. (1795), *Stilbospora asterospora* Pers. (1797).

Hab. in cortice fagineo putrescente in sylva *Cansiglio*, Oct. 1875.

133. **Acremonium alternatum** Lk., Sturm. Crypt. t. 2.

Hab. in foliis putridis Aloum &c Patavii, Apr. 1875.

Obs. Habitus in sicco exacte ut ic. Sturmiana ostendit, ex eo quod conidia muco adhuc obvoluta sunt et simulate sphærica 6–7 micr. diam., sed madore mucus solvitur et tunc fiunt ellipsoideo-oblongata, 6–10 × 2–3, interdum curvula, hyalina.

134. **Acremonium atrum** Cda Icon. Fung. III fig. 168.

Hab. in herbis putrescentibus, e. g. calamis Iuncorum, corollis putrescentibus *a Selva*, Aut. 1873-74, parcissime.

Obs. Hyphæ repentes steriles, obsolete septatæ, hyalinæ, ramulos conidiophoros assurgentes, sursum cuspidatos hyalinos parce septulatos, 60 × 5–6, hinc inde proferentes; conidia magna ovato-ellipsoidea, 25–28 × 16–18, basi subapiculata, cinnamomeo-fuliginea.

135. **Botrytis coccotricha** Sacc., *Coccotrichum dichotomum* Pr. in Sturm. D. Cr. III. tab. 60.

Hab. in ramis corticatis putrescentibus Aceris campestris *a Padova*, Martio 1873; posterius non reperta.

Obs. Cæspituli majusculi sordide rosei. Hyphæ ramoso-dichotomæ, alte cæspitosæ, 6–7 micr. diam., hyalinæ, apice subroseæ; conidia in ramulorum apicibus attenuatis plerumque solitaria, ovoidea, 25–30 micr. lga, initio granulosa, ferrugineo-rufa.

136. **Helminthosporium turcicum** Pass. La nebbia del Granoturco (in Boll. Comiz. Agr. Parm. Ott. 1876) et in Rabh. F. E. Cent. XXIII.

Hab. in foliis languentibus Sorghi vulgaris socio *Cladosporio fasciculato* Cda et *Alternaria tenui* Nees, *a Selva*, jam ab Aug. 1873.

Obs. Hyphæ gregariæ in maculis exaridis, pallidis, cylindraceæ, 150 × 6, 3–pauciseptatæ, olivaceo-fuscæ, apice pallidiore obtusatæ; conidia maxima, 85–92 × 20–24, perfecte fusoidea, utrinque acuta, 5–8–septata, episporio crasso, olivaceo-fusca.

137. **Septonema rude** Sacc. Effusum, atrum, velutinum; conidiis ex mycelio obsoleto oriundis oblongo-fusoideis, 40–45 × 10–12, utrinque truncatis, rectis v. leniter inæquilateralibus, 6–8–septatis, non constrictis, atro-fuligineis, in catenulas erectas, rigidulas moniliformes vertice sæpius (e conidio rudimentali) subhyalino-apiculatas digestis.

Hab. in ligno putrescente pyrino *a Selva*, Sept. 1874.

Obs. Specimen boreali-americanum perfecte cum meis conveniens misit cl. M. C. Cooke.

138. **Cladosporium Asteroma** Fckl. Symb. myc. p. 355.

Hab. in pagina superiore foliorum languentium Populi Tremulæ *a Conegliano,* Iunio 1876 (Spegazzini).

Obs. Species habitu distinctissima. Conidia e fusoideo limoniiformia 15–18 × 7, raro 20 × 6, 1–septata, leniter constricta, olivacea.

139. **Cephalosporium Acremonium** Cda Icon. Fung. II. 29. Fres. Beitr. t. XI fig. 59-63.

Hab. parasiticum in Hypoxylo purpureo putrescente in sylva *Cansiglio,* Oct. 1874.

Obs. Ramuli sporigeri continui, simplices, 40–50 × 3; capitula conidiorum globosa, 8–10 micr. diam.; conidia diu conglutinata oblongo-ovoidea, 4 × 1, hyalina.

140. **Cephalosporium macrocarpum** Cda Icon. Fung. II. 30.

Hab. in Polyporo fomentario putrescente, udo *a Padova,* Dec. 1872.

Obs. Ramuli sporigeri continui, subsimplices; capitula conidiorum globosa 30 diam.; conidia diu et arcte conglutinata, sphæroideo-angulosa, 4–6 micr. diam., hyalina.

141. **Amblyosporium umbellatum** Harz Hyphom. 48 t. II fig. 7. *Briarea aurea* Fckl. (?), Sacc. Mycol. Ven. 184. t. XVII fig. 1-4 – *Amb. Botrytis* Fres. Beitr. 99 t. XII fig. 17-21 huic valde affine est, nisi lusus.

Obs. Hyphæ crassiusculæ, 20–25 micr. diam.; conidia 15–16 × 10–12.

142. **Cladotricum strictum** Sacc. sp. nov. Hyphis gregariis, rectis, 300–320 × 6–7, basi bulbillosis, remote septatis. fusco-olivaceis, sursum pallidioribus, apice obtusiusculis; conidiis prope hypharum apicem insertis, in catenulas longiusculas, sæpe ramulosas connexis, didymis (rarissime biseptatis), 12–15 × 6, fusco-olivaceis.

Hab. in caulibus herbarum putrescentibus, socia *Torula herbarum, a Selva,* Oct. 1874.

Obs. Cladosporium rectum Pr. in Sturm t. 15 huic

affine, differt conidiis 2– et pluriseptatis ex hypharum apice tantum oriundis.

143. **Cladobotryum Thümenii** Sacc. sp. nov. Hyphis dense aggregatis, maculas in foliis sordide albas, effusas efformantibus assurgentibus, tenuiter remoteque septatis, albo-hyalinis, repetito-subverticillato-ramosis; conidiis in v. sub ramulorum apice insertis et ab hoc ægre secedentibus, obovatis, 8–10 × 4–5, continuis, hyalinis.

Hab. in foliis Quercus pedunculatæ, socio *Cylindrio candido*, ad *Teplitz* Oct. 1872 (in Herb. Thümen).

Obs. Affine *Cladobotryo ternato* Cda, sed conidia in nostro triplo minora &c.

144. **Helicotrichum vegetum** (Nees) Wallr. Crypt. Germ. 161.

Hab. in ligno putri *a Conegliano*, Aug. 1876 (Spegazzini).

Obs. Cæspites late et indeterminate effusi, initio ex aureo lutescentes, dein olivacei, tandem atri. Hyphæ fertiles strictæ, simplices, basi ramuloso – v. noduloso-infixæ, densiuscule septatæ, 300 × 4, initio pallide tandem saturate fuligineæ, lateribus ubique (ad conidiorum insertionem) hyalino-muriculatæ. Conidia filiformia in spyras 2–3 convoluta, 45–65 × 1–$1^1/_2$, 1-serialiter pluriguttulata, hyalina. Verisimiliter *Helicomyces aureus* Cda est hujus speciei status junior flavicans. Cl. Corda in hyphis heterogeneis parasiticum autumat quod erroneum censeo.

145. **Circinotrichum maculiforme** Nees Syst. t. V fig. 66 (?), Sacc. Mycol. Ven. 211.

Hab. in ramis putrescentibus Salicis, Vitis, in caulibus herbarum, in foliis Photiniæ, Lauri &c. *a Selva* et *Vittorio*, Aut. 1875-76.

Obs. I. Hyphæ steriles erectæ, apice repetito-dichotomo-circinatæ, fuligineæ; ad harum basim nascuntur conidia cylindraceo-fusoidea, 14–15 × 1–$1^1/_2$, lenissime curva, hyalina, in basidiis brevibus sursum attenuatis subhyalinis acrogena. Videretur hæc species sistere gra-

dum evolutiorem *Helicosporii obscuri* Cda., quocum præsentia conidiorum basilarium convenit.

Obs. II. Ad hanc speciem pertinet *Gyrothrix podosperma* Cda Anl. t B f. 15, n. 4. nec non *Campsotrichum unicolor* in Rabh. F. Eur. n. 1866.

146. **Periconia papyrogena** Sacc. n. s. Effusa velutina, maculiformis, aterrima; hyphis gregariis assurgentibus filiformibus, 80 × 3, parce septatis, fuscis, basi dilutioribus, apice sporophora oblongo-cylindracea, brevia, subpenicillatim gerentibus; conidiis in apice sporophorum acrogenis, perfecte sphæricis, $3^1/_2$–4 micr. diam., nigricantibus, pellucido–1–guttulatis.

Hab. in charta bibula putrescente *a Selva*, Sept. 1875.

Obs. A *Stachybotryte alternanti, Sporocybe Desmazieri* et *Sp. alternata* rite dignoscenda.

147. **Microstroma album** (Dmz.) Sacc. *Microstroma quercinum* Opiz Niessl Mähr. Pilz. 29 t. II fig. 2. Sacc. M. V. n. 1032–1033 – *Torula quercina* Opiz (1855) – *Fusidium album* (Dmz.) Vize F. Br. n. 193, *Fusisporium album* Dmz. Ann. S. N. X. p. 309 (1838).

Hab. in foliis Quercus sessilifloræ et Q. pubescentis, *a Vittorio* et *Colfosco*, Aut. 1875-76.

Obs. Conidia ovato-oblonga, 5–7 × 3, inæquilateralia, 1–2–guttulata, hyalina.

148. **Isariopsis pusilla** Fres. Beitr. t. IX. fig. 18–28, Sacc. M. V. n. 1248. *Phacellium inhonestum* Bonorden.

Hab. in foliis Stellariæ mediæ languidis *a Conegliano,* æstate 1877 (Spegazzini).

Obs. Conidia cylindraceo-oblonga v. subclavulata, 1–septata, vix constricta, 20 × 7, utrinque obtusiuscula, subhyalina, ramulis nodulosis, patulis adnata.

149. **Isariopsis griseola** Sacc. M. V. n. 1247. Maculis ochraceis, hypophyllis; fasciculis stipitiformibus dense gregariis, 200 × 30–40, fuscidulis, ex hyphis filiformibus, continuis, dense stipatis conflatis, apiceque griseo-capitatis; conidiis ex hypharum apicibus patulis v. reflexis sublevibus oriundis, dense conglobatis, cylindraceo-fusoideis, curvulis, 50–60 × 7–8, 1–3–septatis, non v. vix constrictis, griseis.

Hab. in pagina inferiore foliorum Phaseoli vulgaris, *a Selva*, Aug. 1877, rarius.

Obs. Ab *Isariopside pusilla* Fres. et *I. carnea* Oud. satis superque diversa.

150. **Stysanus microsporus** Sacc. M. V. n. 1068. Gregarius, e griseo fuscus; stipitibus filiformibus ex hyphis pluribus subcontinuis, fuligineis, coalitis efformatis sursum clavato-spicatis; conidiis ex hypharum apice secedente catenulatim oriundis, subglobosis, 2–3 ≈ 2, eguttulatis, hyalinis

Hab. in trunco Robiniæ Pseudacaciæ putrescente *a Selva* Aug. 1875.

Obs. Stysanus Stemonitis (Pers.) Cda conidiis limoniiformibus, 8 ≈ 5, hyalinis ab hoc statim dignoscitur.

151. **Stilbum erythrocephalum** Ditm. in Sturm D. C. t. 45, Cooke Hndb. p. 553, Sacc. M. V. n. 1253.

Hab. in stercore udo Cuniculorum *a Selva*, Sept. 1877.

Obs. Conidia ovoidea, 4–6 ≈ 2–3 $^1/_2$, hyalina in basidiis filiformibus, septulatis, apice nodulosis hyalinis, ca. 50–60 ≈ 3–3 $^1/_2$, acrogena.

Mycelia.

152. **Sclerotium mycetophagum** Sacc. sp. nov. Tuberculis (myceliis) minutissimis, globulosis, 100–130 micr. diam., undique clausis Agaricorum lamellas totas denique et creberrime occupantibus, vinoso-rufis, intus pallidioribus, cellulisque dense conglobatis, ex anguloso globosis 7–8 micr. diam. inter se ægre secedentibns, hyalinis fœtis.

Hab. in lamellis Coprini Digitalis, quem deformat, ad truncum Platani putrescentem *a Padova*, Aug. 1872; nec inde repertum.

Obs. Cum *Sclerotio* (Coccopleo) *palliolato* Ehrh. nec non cum *Perisporio agaricicola* Wallr. proxime cognatum videtur.

153. **Sclerotium durum** Pers., Wallr. Fl. crypt. Germ. p. 138, Sacc. M. V. n. 1230.

Hab. in caulibus putrescentibus Ricini communis, *a Padova*, aut. 1875 et 1876 (Bizzozero).

154. **Sclerotium glauco-albidum** Dmz. XIX Not. (1851) pag. 34., Sacc. M. V. n. 1231.

Hab. in pagina inferiore foliorum emortuorum Taxi baccatæ in Horto Patavino, vere 1876 (Bizzozero).

Obs. Mycelia seu tubercula pulvinata, basi hyphis ramosis septulatis, fusco-fuligineis cincta; nucleus albus e cellulis abnormibus, variis conflatus.

155. **Ozonium? croceum** Pers., Sacc. M. V. n. 1257. Cfr. Fr. Elench. I. pag. 158.

Hab. in stromatibus pyrenomycetum (e. g. *Valsariæ*) ad ramos Robiniæ Pseudacaciæ *a Selva*, Sept. 1877.

Obs. Stirps mihi omnino dubia, quæ, sec. auctores, mycelium *Corticii sulfurei* Fr. sisteret.

FINIS.

Corrigenda.

pag.	121	linea	13	*Radaster*	lege *Padaster*
»	»	»	31	*Riesenthal*	» *Biesenthal*
»	»	»	11	**Koehneana**	» **Astragali** (Lasch) Sacc. *Obs.* Exacte congruit cum *Sphœria Astragali* Lasch in Rabh. Herb. mycol. ed II. n. 639. *Sphœria Astragali* Curr. Simpl. Sph. n. 362 aliena est et *Diaporthis* speciem sistit.
»	128	»	38	1/4-1/3 lg	» 1/4-1/3 mill. lg.
»	123	»	15		Adde: Verisimiliter ad hanc speciem (*Pleonectr. Berolin.*) spectat *Nectria Ribis* Niessl (Mähr. Pilz 114) ob sporidia cellulo̱so-septata; non vero *Sphœria Ribis* Tode Meckl t. XII, fig. 203, nec *Nectria Ribis* Rabh. F. E. n. 264 et Oud. F. Neerl. n. 168, quæ ascos clavatos, 90 ≈ 15, breve stipitatos, sporidia fusoidea, plerumque recta, 20 ≈ 6, 1-septata, non constricta, hyalina gerit.
»	126	»	25	**Patonieana**	» **Potonieana**
»	126	»	31	Patonię	» Potonię
»	130	»	34	1877	» 1867
»	131	»	17	Myrciæ	» Myricæ
»	150	»	17	**Filipendulæ**	» **filipendulina**
»	156	»	37	**Photiniæ**	» **photinica.** Et adde: Diversa est a *Ph. Photiniæ* Thm. et Bolle Contrib. Funghi Litor. p. 36.
»	160	»	34	**Pœoniæ**	» **Pæoniæ**
»	163	»	6		adde: *Hab.* in foliis Violæ odoratæ *a Conegliano* (Spegazzini).
»	163	»	11		adde: *Hab.* in foliis Robiniæ Pseud-acaciæ *a Conegliano* (Spegazzini).
»	206	»	29	inito-	» innato-
»	241	»	3		adde: *Hab.* in foliis Caricis digitatæ in Euganeis (Bizzozero) *a Conegliano* (Spegazzini) æstate 1877.

Julio 1878. Num. III.

MICHELIA

COMMENTARIUM MYCOLOGIÆ ITALICÆ

curante P. A. SACCARDO

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PATAVII
TYPIS SEMINARII
1878

ENUMERATIO PYRENOMYCETUM HYPOCREACEORUM

HUCUSQUE COGNITORUM

SYSTEMATE CARPOLOGICO DISPOSITORUM

AUCTORE

P. A. SACCARDO

Fam. **Hypocreaceæ** DNtrs Oss. in Giorn. bot. I. II. 48. 51.

Sacc. Consp. gener. Pyren. ital. p. 18.

Pyrenomycetes simplices vel compositi. Perithecia subcarnosa v. ceraceo-membranacea, plerumque rubescentia (rarius cyanea, v. flavo-olivacea, v. pallida) numquam carbonacea, ostiolo subcentrali, rotundo dehiscentia. Stroma, ubi adest, molliusculum, carnoso-ceraceum, rarius byssinum. – Asci 4–8-pleiospori, sæpius 8-spori. Sporidia plerumque hyalina, rarius fusca. Status secundarii (*Spermogonia*, *Pycnidia*, *Conidiophora*) in plerisque cogniti.

Sect. 1. **Hyalosporæ** Sacc.

Sporidia ovoidea v. suboblonga, continua, hyalina.

\+ **Simplices.**
a. **Superficiales.**
* **Perithecia conoidea v. subglobosa.**
§ **Asci octospori.**

1. **NECTRIELLA** Sacc. Michelia I. 51 (non Fckl.) Perithecia Nectriæ (Cfr. gen 13) – Asci cylindracei. Sporidia ovoidea v. oblonga, absolute continua, hyalina. – Status conidiophori cogniti.

N. Rousseliana (Mtgn.) Sacc. Michelia I. 51. Ad folia Buxi sempervirentis in Italia, Gallia, Germania, Anglia &c. – Asci 60 × 7–8; sporidia 15 × 5. – Status

micro- et macro-conidioph. cogniti: *Verticillium Buxi* (Schm.) et *Volutella Buxi* (Cda) Bk.

N. perpusilla (Mtgn.) Sacc. Mich. I. 51. In clava Xylariæ allantodiæ in Cuba et in Europa (Bk) – Asci breve clavati; sporidia oblonga, hyalina. Mtgn. Syll. 225.

N. miltina (Mtgn.) Sacc. Nectria miltina Mtgn. Syll. 225. In foliis Agaves in Algeria, Italia, Gallia, Hispania – Asci cylindraceo-clavati, 65 × 4; sporidia minutissima, ovoidea, 6 $^1/_2$ × 2. St. conid.: *Tubercularia concentrica* Mtgn.

N. jucunda (Mtgn.) Sacc. Nectria jucunda Mtgn. Syll. 225. Ad ramos Cacti Opuntiæ in Algeria – Asci clavati; sporidia oblonga, hyalina, utrinque guttata.

N. chlorina (Cr.) Sacc. Nectria chlorina Cr. Finist. 37. In caule Angelicæ in Gallia – Asci subcylindrici; sporidia monosticha, ovoidea, continua.

N. chrysites (West.) Sacc. Cfr. Cr. Finist. 37 et Kx Fl. I. 320. In ramis Genistæ, Spartii, Fraxini, Ribis in Gallia, Germania, Belgio – Asci cylindracei. Sporidia ellipsoidea, continua, subinæquilateralia.

Sph. chrysites Wallr. est vera Nectria. Cfr. suo loco.

N. digitalicola (Cr.) Sacc. Nectria dig. Cr. Finist. 37. In caule Digitalis in Gallia – Asci clavati; sporidia oblonga, 1–seriata, continua, hyalina.

N. carnea (Dmz.) Sacc. Nectria carnea Dmz., Tul. In foliis Caricis, Luzulæ, in Gallia, Germania – Asci subclavati, 40 lgi; sporidia oblonga, 10–13 × 2–3, continua, 3–4–guttulata. St. conidioph. *Psiloniam Pelliculam* Dmz. sistens – An potius Calonectriæ species?

N. Umbelliferarum (Cr.) Sacc. Nectria Umbell. Cr. Finist. 37. In caule Œnanthis crocatæ, Angelicæ, Urticæ &c. in Gallia – Asci clavati; sporidia oblongo-fusoidea, 1–2–sticha, granulosa. An Calonectria?

N. citrina (Cr.) Sacc. Nectria citrina Cr. Finist. 37, non Wallr. In caule Dauci in Gallia – Sporidia ovoidea, continua, 2–guttulata.

N. nigro-viridis (Cr.) Sacc. Nectria nigro-viridis Cr. Finist. 37. In cortice Ligustri in Gallia – Perithecia brevi-pilosa, viridi-olivacea; asci subcylindrici; sporidia ovoidea, 1–sticha, 2–guttulata.

N. thelopsioides (Cr.) Sacc. Nectria thelops. Cr. Finist. 256. In cortice salicino in Gallia – Asci subfusoidei; sporidia oblongo-fusoidea, continua, limbata.

N. offuscata (B. & C.) Nectria offuscata B. & C. Grevill. IV. 45. In Hibisco syriaco in Carolina inf. – Asci clavati; sporidia 2–sticha, oblonga, hyalina.

N. furfurella (B. & Br. 1872) Sacc. Nectria furfurella B. & Br. Grevill. I. 155. In caule Brassicæ – Sporidia ovata, 3 $^1/_2$–5 micr. lg. Conidia nota.

N. Keithii (B. & Br. 1876) Sacc. N. Keithii B. & Br. (Hedw. 1876 p. 62, Just. Jahr. IV. 228) In caule Brassicæ in Anglia. Sporidia continua, ovoidea, 5–6 lga.

An eadem ac *N. furfurella* (B. & Br.)?

N. monilifera (B. & Br.) Sacc. Nectria monilifera B. & Br. F. Ceyl. n. 1007. In ligno putri dejecto – Asci lineares; sporidia globulosa, granulosa, diam. 3 $^3/_4$–5 micr.

N. Bambusæ (B. & Br.) Sacc. Nectria Bambusæ B. & Br. F. Ceyl. n. 1015. Ad Bambusam in Ceylan – Asci breve clavati; sporidia minima, 10 micr. lga.

N. microspora (Cooke & Ell.) Sacc. Nectria microspora C. & E. in Grevillea V. 53. In cortice Magnoliæ New-Jersey – Asci cylindracei; sporidia ovalia, continua, non constricta, 7 $^1/_2$ × 4, 2–guttulata, hyalina.

§§ **Asci polyspori.**

2. **CHILONECTRIA** Sacc. n. gen. Perithecia Nectriæ. Asci cylindraceo-clavati v. oblongi, polyspori; sporidia exigua ovoidea v. botuliformia, continua, hyalina.

Obs. Sec. nonnullos auct., ex. g. Tul. Nectriæ polysporæ essent meræ formæ Nectriarum octosporarum, sed nova et plena confirmatio adhuc desideratur.

C. myriospora (Cr.) Sacc. Nectria myriospora Cr. Finist. 37.

Hab. in fimo equino in paludibus, æstate, in Gallia.

Char. Perithecia $^1/_5$ mill. flava, sphærica, reticulato-contexta, astoma. Asci crassi, ovoidei, polyspori, paraphysibus filiformibus, curvis obvallati. Sporidia 100–150 perexigua, ovoidea, hyalina. Cr. l. c.

C. Rosellinii (Carest.) Sacc. Nectria Rosellinii Carest. in Rabh. F. E. n. 923 et Hedw. V. p. 190 (1866).

Hab. in ramis Abietis pectinatæ dejectis *a Riva*, 1864.

Char. Pyrenia obovata, collabescentia, in vivo vitellino-coccinea, levia; contextu minute vesiculoso. Asci polyspori (? specim. immat.) cylindracei, apice rotundato, 60 × 10; paraphyses gelatinosæ, crassiusculæ, filiformes. – Quadantenus refert Nectriam decolorantem. Car. l. c.

C. sulphurella (DNtrs) Sacc. Nectria sulphurella DNtrs Recl. Piren. ital. in Comm. critt. II. 477.

Hab. in ramis languentibus Pini Piceæ in sylva *Ambais Hufen* ad Allagna, Italia (Carestia).

Char. Corticola erumpens. Pyrenia e stromate pulvinato, compacto, cæspitulosa, rotundata v. obovoidea, osculo perexiguo demum hiantia, carnea, vertice furfuracea, in sicco pallide furfuraceo-sulphurea. Asci clavati, leptodermi (polyspori). Sporidia (microsporæ) oblonga, exigua, hyalina. Paraphyses rarescentes.

Obs. Nectria chrysites Westend. huic similis est, non tamen identica. DNtrs. l. c.

C. Cucurbitula (Curr.) Sacc. Cfr. Grevillea IV. 16. In ramis putrescentibus in Eur. et Am. (in Salice Romæ!). Asci clavato-fusoidei, myriospori; sporidia minuta curvula 3–5 lga, hyalina.

Obs. Sec. Curr. Comp. Sph. n. 179 in hac eadem specie adsint quoque sporidia continua, ovoidea, 10 lga. hyalina. Sec. Fckl. *Sph. Cucurbitula* Tode est vera *Nectria* sporidiis didymis 12 × 6 (in cortice Pini); sec. Wallroth (ex autopsia Mtgn. Pl. cell. VIII. Cent. p. 72) est *Calonectria.*

Sec. Bk. exstat forma *Nectriæ inauratæ* B. & Br. ascis polysporis donata. – Sec. DNtrs Osserv. l. c. *Sphæria coccinea* Fr. Scler. n. 185 (non auct.) ascos polysporos gerit.

**** Perithecia cylindraceo-subulata.**

3. **ELEUTHEROMYCES** Fckl. Symb. 183. Perithecia e basi subglobosa cylindraceo-subulata, subdiaphana. Asci cylin-

dracei. Sporidia ovoideo-cylindracea, utrinque setulâ aucta, continua, hyalina. Stat. conidicus *Isariam* sistens.

E. subulatus (Tode) Fckl. Symb. 183. In Agaricis putridis in Italia, Germania, etc. – Asci cylindracei 52 × 2 ½; sporidia subfusoidea, utrinque ciliata, 5–6 × 1 ½–2 ½, hyalina. St. conidioph.: *Isaria brachiata* Schum.

b. **Immersæ.**

4. **HYPONECTRIA** Sacc. Michel. II. 250. Perithecia simplicia, tecta, contextu nectriaceo molli laxe parenchymatico; asci octospori; sporidia ovata v. oblonga, continua, hyalina.

H. Buxi (DC.) Sacc. Michel. II. 250 et F. ital. tab. 200. In foliis Buxi (et Quercus Ilicis) in Italia, Gallia, Germania, Anglia – Asci cylindracei, 80–90 × 10–12; sporidia oblonga, 16–18 × 6–7, granulosa, hyalina.

++ **Stromaticæ.**

5. **MONOGRAPHOS** Fckl. Symb. App. III. 24. Stroma sub epidermide nigrificata lirelliforme, diaphanum; loculi plerumque 1-seriales, majusculi, candidi. Asci octospori; sporidia fusoidea v. elongata, continua, hyalina.

M. Aspidiorum (Lib.) Fckl. l. c. Sphæria Aspidiorum Lib. In stipitibus Pteridis aquilinæ in Gallia et Germania – Asci 70 × 8; sporidia 26 × 4.

6. **WINTERIA** Sacc. Hypocreopsis Wint. Hedw. 1875 p. 26. (non Karst.) Stroma rubrum, verruciforme, villosulum. Perithecia immersa – Asci ventricosi, 4–8-spori. Sporidia late ellipsoidea, continua, hyalina.

W. pulchra (Wint.) Sacc. Hyp. pulcra Wint. Hedw. 1875 p. 26-27. In stercore pecorino in Germania – Asci oblongo-ventricosi, paraphysati, 170 × 52, 4–8spori; sporidia late ellipsoidea utrinque acutiuscula, continua, hyalina, 56 × 30.

7. **POLYSTIGMA** Pers. ap. Moug. et Nest. n. 270. Stroma subcarnosum effusum parenchymati foliorum innatum, ochraceum, fulvum v. rubrum Perithecia immersa – Asci 8spori.

Sporidia ovoidea continua. St. spermog. *Libertellam rubram* Bon. &c. sistens.

P. ochraceum (Wahlg.) Sacc. Consp. Pyr. 20. Sphæria ochracea Wahlg. (1812) Polys. fulvum DC. (1817). In foliis vivis Pruni Padi. Ascos non vidi, nec descriptos reperi.

P. ochraceum *aurantiacum West. In foliis Pyri in Hollandia.

P. rubrum (Pers.) DC. Mem. Mus. p. 337. In foliis Pruni domesticæ, spinosæ et insititiæ – Asci clavati; sporidia ovoidea, 10 × 6, subhyalina.

Spermogon: *Libertella rubra* Bon.

Sect. 2. **Phæosporæ** Sacc.

Sporidia ovoidea v. oblonga, continua, fusca.

+ Asci 4-8-spori.

8. **SPHÆRODERMA** Fckl. Symb. app. III. 23. Perithecia in subiculo effuso arachnoideo sublibere insidentia, globulosa, hyalina, dein fusca – Asci tetraspori. Sporidia maxima, ellipsoidea, continua, fusca.

S. theleboloides Fckl. Symb. App. III. 23. In fragmentis ligneis terra obvolutis – Asci ovati, stipitati, p. s. 56 × 32, toti 120 lgi.; sporidia elliptico-ovata, utrinque attenuata, inæquilateralia, 31 × 17, continua, umbrino-fusca.

9. **MELANOSPORA** Cda Icon. F. I. 24. Perithecia simplicia, mollia, diaphana, ostiolo subulato-rostrato, apice sæpe penicillato – Asci octospori. Sporidia ellipsoidea, continua, fusca.

M. chionea (Fr.) Cda Icon. I. 25. Ad folia Pini sylvestris putrida – Asci clavati, p. s. 45–46 × 16–18; sporidia ellipsoidea, obtusa, fusca, 12 × 7–9.

M. lagenaria (Pers.) Fckl. Symb. 126. In hymenio Polypori adusti et igniarii vetusto – Asci clavati, p. s. 35–40 × 12–14; sporidia limoniiformia, fuscidula, 11–12 × 6, octona ex Karst., quaterna ex DNtrs.

Spermogonium: *Sphæria pilifera* *capillata Fr. sec. Karst. Fenn. II. 220.

M. caprina (Fr.) Sacc. Ceratostoma caprinum Fr., Cooke Hndb. 925. In quisquiliis in Anglia, Dania – Asci clavati; sporidia ellipsoidea, continua.

M. Zobelii (Cda) Fckl. Symb. 127. In Pezizis vivis et Tuberibus in Germania et Anglia – Asci crassi; sporidia ellipsoidea v. subfusoidea, 26 × 14, subinæquilateralia, fusca.

M. vervecina (Dmz.) Bk., Fckl. Symb. 127. In ramulis putridis variis in Gallia, Germania – Asci oblongi; sporidia ovato-ellipsoidea, 1–2–guttata, 20 × 12, fusca.

M. leucotricha Cda Ic. I. 25. In foliis et ligno Coryli in Germania – Asci cylindracei; sporidia ovato-ellipsoidea limoniiformia, 24 × 14, multi-guttulata, fusca.

M. arachnophila Fckl. Symb. 127. In Araneis emortuis in Germania – Asci cylindracei; sporidia globosa, 1–guttulata, hyalina (semper?)

M. Coemansii West. in Bull. Act. Belg. 1857 p. 579. In Belgio.

M. Zamiæ Cda Icon. I. 24. In foliis putr. Zamiæ pungentis Reichenberg – Asci diffluentes; sporidia limoniiformia, fusca.

M. vitrea (Cda) Sacc. Sphæronema vitreum Cda Ic. I. 25. Ceratostoma vitreum Fr. Summa. 396 – In tuberibus Georginæ in Germania – Asci diffluentes. Sporidia ovalia pallide flava, 12 lga.

M. arenaria Mtgn. in Ann. Scienc. nat. 1856, XXV. Ad rupes arenarias Bernæ – Asci clavati deliquescentes; sporidia ventricosa, limoniiformia, 20 × 10, 1–guttata.

M. Helvellæ (Cooke) Sacc. Ceratostoma Helvellæ Cooke Grevill. I. 175. In hymenio Pezizæ hemisphæricæ in Anglia – Asci clavati, mox diffluentes; sporidia limoniiformia, brunnea, levia, 22–25 lga.

M. parasitica Tul. Carp. III. f. 11–14. In corpore putri Melolonthæ vulgaris in Gallia – Asci clavati stipitati; sporidia oblonga, obtusa, 1–guttata, fusca.

++ **Asci polyspori.**

10. **SCOPINELLA** Lév. in Dict. univ. II. N. 126. Perithecia Melanosporæ. Asci polyspori. Sporidia minuta subcuboidea.

S. barbata (Pers.) Lév. l. c. Melanospora barbata (Pers.) Dur. & Mtgn. Alger. I. 549. In foliis putrescentibus quercinis in Europa et Algeria.

Sect. 3. **Didymosporæ** Sacc.

Sporidia didyma, hyalina v. dilute colorata.

\+ **Perithecia stromate proprio destituta v. in eo non immersa.**

* **Perithecia matrice immersa.**

a. **Perithecia bysso nullo complexa.**

11. **PASSERINULA** Sacc. in Grevillea IV. 21. Perithecia bysso nullo complexa, pallida, ceracea, Pyrenomycetibus majoribus (e. g. *Valsaria, Thyridio*) parasitice immersa, ostiolis longicollibus, exertis – Asci 8–spori, copiose paraphysati. Sporidia ovoidea, 1–septata, pallide olivaceo-fuliginea.

P. candida Sacc. F. Ven. ser. IV. 22. F. ital. t. 4. In stromatibus Pyrenomycetum majorum in Italia – Asci clavati, p. s. 70 × 12; sporidia 1–septata, 2–4–guttata, 16–18 × 7–8, fuscidula.

b. **Perithecia bysso connexa.**

12. **HYPOMYCES** Fr. (ut subg.) Summa 382, Tul. Perithecia stromate byssino, effuso connexa, Hymenomycetibus v. Discomycetibus plerumque parasitice immersa, læticoloria, ostiolis abbreviatis – Asci typice 8–spori, aparaphysati. Sporidia oblonga, typice 1–septata, hyalina.

H. torminosus (Mtgn.) Tul. Carp. III. 40. Nectria torminosa Mtgn. Syll. 225. Ad Lactarium torminosum in Algeria et Gallia – Asci cylindrici; sporidia oblonga 1–septata.

H. Linkii Tul. Carp. III. 44. In Agarico putri in Gallia et Germania. St. ascoph. ignotus.

Conid. et chlamydosp.: *Mycogone rosea* Lk.

H. cervinus Tul. Carp. III. 51. In Helvella crispa, Pezizisque in Gallia et Germania. St. ascoph. ignotus. Conid. et chlamydosp.: *Mycogone cervina* Ditm.

H. chrysospermus Tul. Carp. III. 49. In Boletis putrescentibus – Asci cylindracei 120–150 × 9; sporidia elongata, utrinque subapiculata, spurie 1–septata, 21–25 × 6.

St. conid. et chlamydosp.: *Sepedonium mycophilum* Nees. (Tul.)

H. aureo nites Tul. Carp. III. 64. In hymenio Merulii tremollosi Pers. in Gallia – Asci lineares; sporidia ovato-oblonga, 1–septata, leniter constricta, 10–13 × 3 ½.

H. asterophorus Tul. Carp. III. 54. In Agarico adusto et Nyctali in Europa et Amer. – Asci late ovati; sporidia fusoidea, utrinque mucronata, 1–septata, 25–35 × 6, lutescentes.

St. macro- et microcon.: *Asterophora agaricicola* Cda.

H. Pezizæ Tul. Carp. 52. In Peziza hemisphærica in Gallia, Germania.

St. micro- et macrocon.: *Stephanoma strigosum* Wallr. et *Asterophora Pezizæ* Cda.

H. lateritius (Fr.) Tul. Carp. 62. In lamellis Lactarii deliciosi et torminosi in Eur. & Amer. – Asci cylindracei p. s. 110 × 6–7; sporidia elongata, 1–septata, luteola, 18–20 × 4–4 ½.

H. rosellus (A. S.) Tul. In acubus, fungis putrescentibus &c. in Eur. et Am. – Asci cylindraceo-clavati. Sporidia fusoidea, medio constricto–1–septata, 23–32 × 5–7, (rarius 3–sept. sec. Karst.)

St. conid. *Trichothecium candidum* Wallr.

H. roseus (Pers.) Fckl. Symb. 182. *Sphæria rosea* Pers. – Hypocrea rosea Ces. DNtrs. In cortice terra obducto Alni glutinosæ. Sporidia fusoidea, obliqua, 1–septata, 37 × 7, hyalina.

St. conid. ? *Botrytis carnea* Schum.

H. aurantius (Pers.) Fckl. Symb. 183. In Polyporis variis putridis in Eur. et Amer. Sporidia fusoidea, utrinque apiculata, curvula, 1–septata, 18–24 × 6, hyalina.

St. conid, notus.

H. violaceus (Schmidt) Tul. Ann. Sc. nat. s. IV. t. XIII. p. 14 (1860). In Æthalio septico – Asci lineares, 58 × 4; sporidia ovato-oblonga, 1–septata (Tul.), 6 × 3. Sporidia continua sec. Fckl. et Karst.

H. fulgens (Fr.) Karst. Fenn. II. 207. In cortice Pini sylvestris in Fennia et Scandinavia – Asci cylindracei, 110–135 × 6; sporidia elongata, 15–21 × 4 ½, 1–septata, (rarius spurie 3–septata) hyalina.

H. bombacinus Karst. Fenn. II. 210. In Polyporo trabeo in Fennia. Tantum hucusque mycelium conidiophorum observatum: *Institale bombacina* Fr.

H. viridis (A. S.) Karst. Fenn. II. 211. In hymenio Lactariorum – Asci cylindracei p. s. 160 × 7–8; sporidia elongata, obsolete 1–septata, 30–36 × 5–6, luteola.

H. Melanostigma Tul. in Ann. Sc. nat. ser IV. t. XIII. p. 17. H. asterophoro affinis ex Tul.

H. fusisporus Tul. Carp. III. 56. In Russula adusta in Gallia – Asci obovati breves; sporidia, quaterna obovato-fusiformia, 50 × 10, deorsum breve cuspidata.

H. decipiens Tul Carp. III. 61. In Agarico melleo in Gallia. Macro- et microconidia tantum nota.

H. Baryanus Tul. Carp. III. 59. In Nyctali parasitica in Gallia. Macroconidia tantum nota.

H. ochraceus (Pers.) Tul. Carp. III. 41. Cfr. Cooke Hndb. 777. In fungis putridis in Eur. et Amer. Sporidia oblongo-fusoidea, 35 × 6 ½, 1–septata, utrinque acuta; asci cylindracei, 250 × 6 ½.

St. conid. *Verticillium agaricinum* Cda.

H. luteo-virens (Fr.) Tul. Carp. III. 57. In Boletis putrescentibus in Eur. et Amer. – Asci cylindracei; sporidia fusoidea 20–25 lga, curvula, 2–septata, hyalina. Macroconidia nota sec. Curr. et Tul.

H. Broomeanus Tul. Carp. III. 108. In Polyporo annoso in Anglia – Asci lineares 130–140 × 3 ½; sporidia lanceolata, 1–septata, 12–15 lga. 3 ½ cr. Conidia nota.

H. tomentosus Fr. (ubi?) Grev. IV. 15. In Agaricis in America boreali. Nucleus indescriptus.

Obs. In codicibus Friesianis hanc speciem reperire non contigit.

H. pæonius B. & Br. Ceyl. F. n. 1000. In Polyporis in Ceylon – Asci clavati; sporidia oblongo-cymbiformia, 1–septata, 30 lga. Conidia adsunt.

H. chrysostomus B. & Br. F. Ceyl. n. 1001. In Ceylon – Asci lineares 86 lgi; sporidia curvula 10–13 lga.

H. chromaticus B. & Br. F. Ceyl. n. 1002. In Stereo putri in Ceylon – Asci lineares; sporidia subcymbiformia 1–septata, 15 ≈ 5.

H. Tegillum B. & C. (Grev. IV. 15). In Pino in America boreali – Nucleus indescriptus.

H. stilbiger B. & Br. F. Ceyl. n. 1003. Parasiticus in Trichiis in Ceylon – Asci elongati, apice subcapitati; sporidia fusiformia, multiseptata 15 lga. Conidia nota. – An genuina Hypomycetis species?

H. albus Cr. Finist. 39. In Peziza virginea ad truncos quercinos in Gallia – Status gemmifer tantum notus ex Cr.

H. Lactifluorum (Schw.) Tul. Carp. III. 63. Sphæria Lact. Schw. Carol. n. 34, p. 30. Fr. Syst. Mycol. II. 338. In Lactariis, præsertim piperato in Carolina. Sporidia oblongo-lanceolata 25–35 ≈ 6–5, verruculosa, 1–septata.

H. agaricola (Chaill. Fr.) Sphæria agar. Chaill. in Fr. Syst. mycol. II. 339. In Agaricis vetustis Helvetiæ. Nucleus indescriptus.

H. miliarius Tul. Carp. III. 43. In Russulis in Gallia. Tantum stat. sclerot. et conid. noti.

H. tuberosus Tul. carp. III. 58. In stipite lamellisque Lactacii acris in Gallia. Tantum st. sclerot. et macroconid. noti.

H. chlorinus Tul. Carp. III. 59. In Boleto cyanescente, scabro &c. in Gallia. Macro- et microconidia tantum cognita.

H. hyalinus (Schw.) Sphæria hyalina Schw. Carol. n. 35 p. 30, Fr. Syst. mycol. II. 339 Curr. C. Sph. p. 267. In Russula fætida in Carolina – Asci cylindracei, octospori; sporidia elliptico-fusoidea, 15–20 lga. chlorino-hyalina.

H. Cesatii (Mtgn.) Tul. Carp. III. 40. Nectria Cesatii Mtgn. VIII. Cent. n. 68 pag. 66, DNtrs Sfer. ital. t. II. f. 5. Inter muscos, in residuis, ut videtur cujusdam Polypori parasitans, *a Locarno,* Aprili 1857 (Cesati). Byssisedus; perithecia gregaria, minima, $^1/_2$–$^1/_4$, ovoidea aurantio-rubra, e subiculo fulvo pallescente emergentia – Asci elongati toruloso-moniliati, 100 ≈ 10; sporidia octona uniseriata, oblonga, utrinque cuspidata, 2–4–(?) locularia, medio constricta, hyalina, 15 ≈ 6 $^1/_2$, cuspidibus 8 lgs. (Mtgn.) In icone DNtrs l. c. sporidia exacte bilocularia delineata sunt.

** **Perithecia in matrice v. stromate subsuperficialia.**
A **Perithecii contextus ruber v. flavicans.**
§ **Asci octospori** (in *N. pityrode* Mtgn. 4-spori).

13. **NECTRIA** Fr. Summa Scand. 387. Perithecia erumpenti-superficialia, v. superficialia, cæspitosa v. discreta, sæpe stromate pulvinato, primitus conidiophoro insidentia, rosea v. læte colorata. Asci cylindracei v. fusoidei, initio infra apicem coarctati. Sporidia ellipsoidea v. oblonga, 1–septata, hyalina, loculis typice non secedentibus. St. conidioph.: *Tubercularia, Illosporium* &c. – Sacc. Gen. Pyr. n. 100.

N. discophora Mtgn. Syll. 224. Ad cortices arborum in sylvis Chilensibus, in cortice Alni in Germania – Asci difluentes; sporidia oblonga, medio septata, 20 ≈ 5.

N. pityrodes Mtgn. Syll. 224. Ad cortices ramorum in Cuba – Asci clavati, tetraspori; sporidia oblonga, medio 1–septata.

N. pithyrodes Mtgn. *saccharina B. & Br. Ceyl. F. n. 1027. In corticibus Ceylon. Sporidia cymbiformia 1–septata, 25–40 lga.

N. australis Mtgn. Syll. 225. Ad cortices in Chili – Byssiseda; asci cylindrici; sporidia lanceolata, uni-septata.

N. punicea (Kze & Schm.) Fr. Summa 387. In ramis Frangulæ – Asci cylindracei. Sporidia fusoidea, 1–septata, non constricta, 16 ≈ 5 (Fckl.)

Obs. Sec. Kx Fl. I. 320 sporidia ovoidea continua essent, quæ Nectriellæ speciem designarent.

N. charticola Fckl. Symb. 176 sub *Nectriella*. In charta putrescente in Germania – Asci clavato-oblongi, stipitati; sporidia oblonga, didyma, 17 × 7, hyalina.

N. paludosa Fckl. Symb. 176 sub *Nectriella*. In foliis aqua immersis Typhæ in Germania – Asci oblongi 72 × 8; sporidia, oblonga, 1–septata (?), 13 × 6, 2–guttata, hyalina.

N. lichenicola (Ces.) Sacc. Nectriella carnea Fckl. Symb. 176. Cryptodiscus lichenicola Ces. in Kl. Herb. myc. II. 523 (teste ipso Fckl.). In thallo Peltigeræ caninæ – Asci 56 × 8. Sporidia 1–septata, ovato-oblonga 12 × 4.

Conid: *Illosporium carneum* Fr. – Huc *Nectria Robergei* Dmz. sec. Tul. Karst., sed. vix.

N. Fuckelii Sacc. Nectriella coccinea Fckl. Symb. 177. In thallo Hageniæ ciliaris – Asci 56 × 10; sporidia ellipsoideo-oblonga, 1–septata, 26 × 5, hyalina.

Conid.: *Illosporium coccineum* Fr.

N. erythrinella (Nyl.) Tul. Carp. III. 95. In thallo Peltigeræ caninæ – Asci cylindraceo-ovati, 90–110 × 12–15; sporidia fusoidea, 1–septata, 18–25 × 6–8. Huc *Nectriella Kalchbrenneri* Fckl. Symb. 177 sec. Karst. Sec. Tul. vix differt a *N. lichenicola* (Ces.)

N. chlorella (Fr.) Tul. Carp. III. 172. Conangium chlorellum Fr. Elench. II. 21. In cortice Abietis pectinatæ in Gallia – Asci octospori; sporidia breve ovato-oblonga, mutica, 1–septata, 10–13 × 4–5, hyalina.

N. cinnabarina (Tode) Fr. Summa 388. In ramis arborum variarum totius orbis – Asci 60 × 8; sporidia oblonga v. subfosoidea, 1–septata, 16 × 5, hyalina.

St. conid.: *Tubercularia vulgaris* &c.

N. cinnabarina (Tode) Fr. ***N. Tiliæ** Karst. Symb. ad Myc. Fenn. VI. 239. In ramis Tiliæ parvifoliæ – Sporidia elongata, curvula, 18–26 × 4–5 ½, 1–septata.

N. Desmazierii DNtrs. Sfer. ital. Cent. I. n. 4. N. coccinea v. cicatricum Dmz. N. cicatricum Tul. Carp. III. 77. In ramis Buxi sempervirentis – Asci cy-

lindracei 72 × 8; sporidia ovato-oblonga, 1-septata, 11 × 5.

St. conidic: *Tubercularia versicolor* Sacc.? et *Discellæ* spec. Tul. l. c.

N. sinopica Fr. Summa 388. In sarmentis Hederæ Helicis – Asci cylindracei; sporidia ovato-oblonga, 1-septata, 12 × 5, hyalina.

St. conid.: *Tubercularia sarmentorum* Fr. p. p. – Sperm.: *Sphæronema Hederæ* Fckl.

N. Cucurbitula Fckl. Symb. 180. Kunze F. select. n. 105 (nec. Fr., nec Awd.) In ramis Pini Germ. – Asci cylindracei, octospori; sporidia ovato-oblonga, 1-septata, 12 × 6.

Obs. Sec. Tul. Carp. III. 86. Chilonectria Cucurbitula jam descripta est forma altera hujus speciei; ceterum et externa facie bene recedunt.

N. Aquifolii (Fr.) Berk. Cooke Hndb. 782. In ramis Ilicis Aquifolii – Asci cylindracei, octospori; sporidia ellipsoidea, spurie 1-septata, 12–13 lga, hyalina. Pycnidia nota sec. Crouan.

N. lecanodes Ces. in Rbh. H. myc. II. 525. In thallo Peltigeræ caninæ – Asci cylindraceo-oblongi 62 × 8; sporidia ovato-oblonga, 1-septata, (v. obscure 4-partita, Tul.) 14 × 5. Huc sec Tul. Carp. III. 94 spectaret *N. Peziza minor* Dmz. Not. 1856 n. 371.

N. Peziza (Tode) Fr. Summa 388. In ligno putri Asiæ, Eur., Amer. – Asci cylindraceo-clavati, 84 × 8; sporidia ovata, 1-septata, 12 × 6, 2-guttata, hyalina. Pycnidia nota sec. Crouan.

N. Peziza (Tode) Fr. **minor** Dmz. XXIV. Not. p. 18. In thallo Peltigeræ caninæ in Gallia – Asci 60 lgi; sporidia ellipsoidea 10 lga, 4-guttulata. Certe diversa a *N. lichenicola* (Ces.). An eadem ac *N. lecanodes* (Ces.)?

N. fimicola Fckl. Symb. 179. In fimo vaccino putri – Asci cylindracei 80 × 8; sporidia ovato-didyma, 8 × 5, pallide flava.

N. cosmariospora Ces. & DNtrs. Schema 195. Cosmariospora coccinea Rbh. In Polyporo ferrugineo putri, in Italia, Gallia, Germania – Asci 80 × 16; sporidia

ellipsoidea, 1-septata, medio parum constricta, episporio verrucoso, fuscescente, 13–16 ≈ 10.

N. ditissima Tul. Carp. III. 73. N. coccinea Plur. In cortice Fagi sylvaticæ in Gallia, Italia, Germania – Asci cylindraceo-clavati, 82 ≈ 8; sporidia ovato-oblonga, 1-septata, 14 ≈ 6, hyalina.

Conid.: *Tuberculariа crassostipitata* Fckl. Symb. 180.. *T. minor* (?) Tul.

N. Coryli Fckl. Symb. 180. In ramis corticatis Coryli Avellanæ – Asci clavati; sporidia oblongo-ellipsoidea, didyma, utrinque apiculata, minuta.

N. citrina Fr. Summa 388. Fckl. Symb. 180. In ligno Alni glutinosæ – Asci cylindracei; sporidia oblonga, 1-septata, 2-guttulata, hyalina, 12–14 ≈ 4 ½–6. *N. Citrum* Wallr. sec. Mtgn. diversam speciem sistit.

N. coccinea (Pers.) Fr. Summa 388 (?) Fckl. Symb. 180. In cortice Ulmi, Laricis &c. in Asia, Eur. et Am. – Asci cylindracei 90–100 ≈ 7–8; sporidia ovata, 1-septata, hyalina 12–14 ≈ 5–6.

N. applanata Fckl. Symb. App. I. 22. In ramis corticatis Carpini Betuli – Asci cylindracei 58 ≈ 5; sporidia ovata, didyma, utrinque subtilissime apiculata, 8 ≈ 4, hyalina. Adest status pycnidicus.

N. turbinata Fckl. Symb. App. I. 22. In Helminthosporio parasitica – Asci oblongi 56 ≈ 8; sporidia inæqualiter didyma, 2-guttulata, 12 ≈ 5, fusca.

N. mammoidea Plowr. Br. Fung. in Grevill. vol. III. p. 126. In trunco Ulicis in Anglia – Asci . . . . Sporidia ovoideo-oblonga, 1-septata, 25 ≈ 10.

N. oropensis Ces. in Bot. Zeit. 1857 p. 406. In Italia boreali, in thallo Lichenum.

N. episphæria (Tode) Fr. Summa 388. In pyrenomycetibus parasitica – Asci cylindracei 64 ≈ 6; sporidia ovato-oblonga, 8 ≈ 4–5, 1-septata, hyalina.

N. sanguinea (Sibth.) Fr. Summa 388. In lignis putrescentibus Eur., As. et Amer. A *N. episphæria* peritheciis non v. vix collabescentibus diversa.

N. sanguinea (Sibth.) Fr. ***N. laurina** Sacc. Michelia I. 51. In ramis Lauri nobilis in Italia – Asci cylin-

dracei 40 × 5; sporidia oblonga, curvula, 14 × 3–3 ½, tenuiter 1–septata, non constricta, hyalina,

N. variicolor Fckl. Symb. 181. In ligno putri Salicis triandræ – Asci cylindracei 82 × 7; sporidia ovata, 1–septata, 8 × 5, hyalina.

N. Daldiniana DNtrs. Sfer. ital. n. 7. In ramis Sarothamni scoparii in Italia et Germania. Sporidia oblonga, constricto–1–septata.

N. Daldiniana *granulosa Cr. Finist. 38 (N. Peziza Bk. non Tode) in ramulis Genistæ et Spartii in Gallia.

N. læticolor B. & C. Cub. F. n. 765. In truncis cum Hepaticis in Cuba – Asci . . . .; sporidia ellipsoidea, 1–septata, 13–15 lga.

N. saccharina B. & C. Cub. F. n. 766. In ramis putrescentibus Coffeæ in Cuba – Asci . . .; sporidia subfusoidea, demum 1–septata, 10–12 ½ lga.

N. subiculosa B. & C. Cub. F. n. 770. In Polyporis putridis in Cuba – Asci. . . .; sporidia oblonga, angusta, 1–septata 15 × 5. Affinis *N. aureæ* Grev. t. 47, sed in hac sporidia multo crassiora.

N. macrostoma B. & C. Cub. F. n. 771. In corticibus putridis in Cuba – Asci . . . .; sporidia subellipsoidea, 1–septata, 10 lga.

N. suffulta B. & C. Cub. F. n. 773. F. Ceyl. n. 1020. In Palmarum petiolis in Cuba et Ceylon – Asci . . .; sporidia oblongo-ellipsoidea, demum 1–septata, 10–13 ½ lga, 7 ½ cr.

N. foliicola B. & C. Cub. F. n. 776. In foliis Musæ (?) in Cuba – Asci oblongi; sporidia disticha, fusoidea, 1–septata, 25 × 4.

N. ossicola Cr. Finist. 38. In ossibus caninis in Gallia – Asci cylindracei dehiscentes; sporidia ovoidea, 1–septata, 2–guttulata. Adest status conidiophorus.

N. Heraclei Cr. Finist. 38. In caule emortuo Heraclei Sphondylii in Gallia – Asci clavati; sporidia oblonga, 1–septata, eguttulata.

N. terrestris Cr. Finist. 38. In muris in Gallia – Asci fusoidei; sporidia oblonga, granulosa, 1–septata, leniter constricta.

N. hæmatococca B. & Br. F. Ceyl. n. 1018. In corticibus in Ceylon – Asci . . .; sporidia 1–septata, 12 $^1/_2$ –15 lga.

N. fuliginosa B. & Br. F. Ceyl. n. 1019. In Ceylon – Asci . . . .; sporidia « metulæformia » 1–septata, 15–17 lga.

N. Ralfsii B. & Br. Cooke Hndb. 783. In ramis Ulicis, Genistæ et Fagi – Asci clavati; sporidia oblonga, 1–septata, 15–25 lga, 2–4–nucleata, hyalina.

N. Albertini B. & Br. Cooke Hndb. 784. In foliis, ramentis &c. Sporidia fusoidea, leniter constricta, 1–septata, 25–30 lga, subhyalina. Cfr. Curr. Simp. Sphær. p. 314. Ab *Hypomycete rosello* vere diversa videtur.

N. Purtoni (Grev.) Curr. Comp. Sph. p. 282 n. 182. Parasitica in Valsa Abietis in Anglia – Asci cy. lindraceo-clavati; sporidia oblonga, v. subfusoidea 1–septata.

N. graminicola B. & Br. Cooke Hndb. 787. In Aira cæspitosa in Anglia, Germania – Asci . . .; sporidia fusoidea, 20 × 6, 1–septata, hyalina.

N. Ribis (Tode) Rabh., Oud. F. Neerl. n. 168. Sacc. Michel. II. 276. In ramis Ribis rubri &c. – Asci clavati 90 × 15; sporidia fusoidea, 20 × 6, 1–septata, non constricta.

N. squamuligera Sacc. F. Ven. ser. IV. p. 22. F. ital. tab. 155. In ramis Salicis et Robiniæ in Italia – Asci cylindracei, 80 × 5; sporidia 1–sticha, oblonga, 15 –16 × 4 $^1/_2$–5, hyalina. Stat. conidiophorus: *Tuberculariа pusilla* Sacc.

N. aglæothele B. & C. (Grev. IV. 45) In Alno in America boreali – Asci lineares; sporidia ellipsoidea, 1–septata, 12–14 lga.

N. Russellii B. & C. (Grev. IV. 45) In Ulmo, in America bor. – Asci . . . .; sporidia cymbiformia, 1–septata, 15–20 lga.

N. viticola B. & C. (Grev. IV. 45) Pirotta F. viticol. p. 45. In cortice vivo Vitis vinif. in Ital. et Amer. bor. – Asci cylindracei 56–85 × 10; sporidia elliptica, 1–septata, 12 –15 × 4–5.

N. diploa B. & C. Journ. Linn. Soc. X. 378. Cub. F. n. 767. In corticibus in Cuba. – Sporidia biseriata, fusiformia, 2–4–nucleata, 25–30 × 8 $^1/_2$. An Calonectria?

N. diploa *diminuta B. & C. (Grev. IV. 46) In Sphæriis parasitica in America boreali – Asci fusoidei, obtusi; sporidia breve fusoidea, binucleata, 1–septata, 25–26 lga.

N. Peponum B. & C. (Grev. IV. 16) In Cucurbita putresc. in Amer. boreal. – Asci . . . .; sporidia oblonga 1–septata – Var. **aurelia** l. c., sporidiis continuis, forte est status infans.

N. dispersa Cooke & Ellis in Grev. 1876 p. 33. In corticibus New Iersey – Asci cylindracei; sporidia ellipsoidea, utrinque attenuata, 1–septata, 25 × 10. Adsunt conidia.

N. gyrosa B. & Br. Fung. Ceyl. suppl. p. 86. In Ceylon – Asci clavati; sporidia elliptica, 1–septata.

N. flavo-lanata B. & Br. F. Ceyl. n. 1008. In corticibus in Ceylon – Asci clavati; sporidia oblonga, 1–septata, 12–15 × 4 $^1/_2$. Conidia adsunt.

N. bactridioides B. & Br. F. Ceyl. 1010. In Ceylon – Asci . . . .; sporidia «metulæformia» 1–septata, 12 $^1/_2$ × 6 $^1/_2$.

N. stenospora B. & Br. F. Ceyl. n. 1011. In caulibus putridis in Ceylon – Asci. . .; sporidia angusta, 1–septata, 10–12 $^1/_2$ × 3–3 $^3/_4$.

N. Pezicula Speg. in Michelia II. 232. In charta stercorata in Italia – Asci cylindracei, 55–65 × 7–8 $^1/_2$; sporidia oblonga, 1–septata, 12–14 × 3 $^1/_2$–4, 4–guttulata, hyalina.

N. Mantuana Sacc. F. ital. tab. 156, Michelia I. 52. In ligno Populi in Italia – Asci cylindraceo-clavati 80–90 × 7; sporidia oblonga, constricto–1–septata, 12 × 3 $^1/_2$–4, 4–guttulata, hyalina.

N. indigens (Arnold) Rehm Asc. n. 85. Secoliga indigens Arn. in Flora 1870 p. 121. In saxis calcareis in Tyroliæ alpibus – Asci cylindraceo-clavati, 80–90 × 12–13, 4–6–8–spori, initio apice attenuati; sporidia ellipsoidea, v. subovoidea, 12–15 × 8, monosticha v. subdisticha, plasmate bipartito, simulateque 1–septata, hyalina.

N. Magnusiana Rehm Ascom. n. 436. Parasitica in

Diatrypella favacea ad ramos Betulæ in horto Berolinensi – Asci cylindrici, 110 × 8, sub apice initio contracti, paraphysibus (genuinis?) copiosis asco longioribus, filiformibus obvallati, 8–spori; sporidia monosticha, ovato-ellipsoidea, 13–15 × 7, initio 2–nucleata granulosave, tandem 1–septata, non v. vix constricta, dilutissime hyalino-rosea. Perithecia coacervata, mox collabascendo umbilicata, rufo-nigricantia; contextu pårenchymatico rufo-sanguineo.

N. chrysites (Wallr.) Rabh. Herb. mycol. ed. II. n. 632. In ramis Ulmi campestris in Germania – Asci diffluentes. Sporidia oblongo-ovata, 18–20 × 5–6, initio 2–nucleata, denique constricto–1–septata, utrinque obtusiuscula, quandoque inæquilateralia, hyalina. Perithecia gregaria, v. subcæspitulosa, dein cupuliformia, lutea; contextu parenchymatico vivide sulphureo. A N. chrysite West. & Crouan diversa. Cfr. *Nectriellas.*

N. thujana Rehm. Asc. n. 338. In foliis emortuis Cupressi thyoidis (white Cedar), cum Pithya cupressina, in America boreali. – Perithecia sparsa, minutissima, globulosa, sanguinea; asci clavati breve stipitati, 90 × 12–15, aparaphysati, 8–spori; sporidia disticha, ex ovoideo breve fusoidea, constricto–1–septata, 2–nucleata, hyalina, senio dilutissime fuscella.

N. bicolor B. & Br. Ceyl. F. n. 1025. In corticibus Ceylon – Asci...; sporidia oblongo-ellipsoidea, 1–septata, 8 × 2 ½.

N. subquaternata B. & Br. Ceyl. F. n. 1026. In corticibus Ceylon – Asci . . .; sporidia submetulæformia, oblonga, 1–septata, 12 ½ lga.

N. Stilbosporæ Tul. Carp. III. 71 t. XI. f. 11-19. Ad ramulos Carpini Betuli in Melanconide macrosperma ejusque acervulis conidiophoris in Gallia – Asci lineares 70–100 × 10–13; sporidia monosticha, ovata, 1–septata, recta 10–13 × 6 ½–10, hyalina. St. conid. *Tuberculariam* sistens.

N. Pandani Tul. Carp. III. 71. In Melanconio Pandani Lév. – Asci obovato-lineares, 80 × 6; sporidia monosticha, breve lanceolata, recta, 10 × 4, 2–(4 ?) locularia.

N. Selenosporii Tul. Carp. III. 72. *N. coccinea* Dmz.

non alior. In ramis corticatis Ficus in Gallia – Asci clavati; sporidia oblique monosticha, ovato-oblonga, 1–septata, forma et magnitudine Nectriæ Peziæ. St. conid. *Selenosporium Urticearum* Cda f. *Fici* Dmz. et *Fusarium lateritium* f. *Mori* Dmz.

N. armeniaca Tul. Carp. III. 75, t. X. f. 1–12. In cortice Fagi sylvaticæ in Gallia – Asci cylindrici 100 ≈ 8, obtusi; sporidia monosticha, ovata, obtusa 1–septata, 13 ≈ 6 ½, hyalina. St. conidiophorus *Prosthemium stellare* Riess. imitatur.

N. aurantiicola B. & Br. F. Ceyl. n. 1028. In ramis Citri Aurantii in Ceylan. – Asci clavati; sporidia ellipsoidea, 1–septata, 15 ≈ 7 ½. Adsunt stylosporæ.

N. dealbata B. & Br. F. Ceyl. n. 1029. In corticibus in Ceylon – Asci lineares; sporidia oblongo-ellipsoidea, 1–septata 12–13 ≈ 5–6.

N. Bogosarum Pass. in N. Giorn. bot. it. 1875 p. 189. In cortice Acaciæ in Abyssinia – Asci longi cylindrici; sporidia ellipsoidea, apicibus subacutis, 1–septata, 5 ≈ 2–2 ½.

N. abscondita Sacc. Myc. Ven. 123, t. XII. f. 42–45. In ramis corticatis Ulmi camp. in Italia – Asci cylindracei, 50 ≈ 8; sporidia globoso-ovata, 1–septata, 9 ≈ 6–7, 2–guttulata, e roseo hyalina.

N. bryophila (Rob. & Dmz.) Sacc. Sphæria bryophila Rob. in Dmz. XIX. Not. p. 10. Ad muscos in Gallia – Asci cylindrici 75 ≈ 10; sporidia ellipsoidea, 2–nucleata, 20–25 lga.

B **Aponectria**: sporidia appendiculata (intermixtis ascis spermatiophoris?)

N. inaurata B. et Br. Cooke Hndb. 783. In ramis Ilicis Aquifolii – Asci cylindracei, octospori; sporidia ellipsoidea, 1–septata, 12–15 lga, utrinque appendiculata.

Sec. Berk. adsunt quoque (in eodem perithecio?) asci clavati, majores, polyspori; sporidia curvula, minuta, 3 ½ longa, hyalina.

Species incertæ.

N. ochroleuca Schw. Grevill. IV. 16. In Moro multicauli in Amer. boreali.

N. Eugeniæ Curr. Trans. Linn. 1876 p. 130. In foliis emortuis Eugeniæ in Pegu.

Nucleus indescriptus.

N. villigera B. & Br. F. Ceyl. n. 1012. Prob. in fungis putridis in Ceylon.

Nucleus indescriptus – Conidia adsunt.

N. auricoma (Wall.) Mtgn. Plant. cell. VIII. Cent. p. 73. In virgis salicinis in Germania.

Nucleus indescriptus.

N. Resinæ Fr. Summa 388. In ligno Pini sylvestris.

St. spermogonicus tantum notus. Cfr. Fckl. Symb. 179.

N. mobilis (Tod.) Fr. Summa 388 = ? *Sph. umbrina* Bk. *Nectria umbrina* Cooke Hndb. p. 788. In caule Phaseolorum in Anglia, Germania.

Nucleus ignotus.

N. lageniformis B. & C. Cub. F. n. 772. In corticibus putridis in Cuba.

Tantum perithecia et conidia nota.

N. crustulina B. & Rav. (in Grevillea?)

Tantum stat. conidiophorus notus.

N. Aurantium (Wallr., non *Nectr. aurantia* Fr.) Kx. Fl. I. 321. In trunco Populi in Germania et Fraxini in Belgio.

Nucleus indescriptus. – Dmz. in XIX. Not. pag. 12 tribuit *Sphæriæ aurantiæ* sporidia ovoidea, 1–septata, 15 lga, an eadem species?

N. ochracea (Grev.) Fr. Summa 387. In ramis putrescentibus in Anglia, Suecia.

Nucleus? Verisimiliter nil nisi *Tubercularia lutescens* Lk. (ex Fr.)

N. decolorans Fr. Scler. Suec. n. 184 (sub Sphæria). In ramis Sueciæ – Sec. DNtrs exemplaria Friesii l. c. præbent sporidia, octona elongato-linearia, curvula. An Ophionectriæ species?

11. **SPHÆROSTILBE** Tul. Carp. III. 103. Perithecia, asci et sporidia Nectriæ, sed perithecia in consortio v. in basi fungilli conidiophori (*Stilbi, Atractii, Microceræ*) oriunda.

S. **aurantiaca** Tul. Carp. III. 99 t. 14 f. 1–13. In ramulis Fraxini Orni in Gallia – Asci late clavati; sporidia subdisticha, ovato-oblonga, 2–locularia, (raro 4–locularia, Tul.)

St. conid. *Stilbum aurantiacum* Bab.

S. **flavo-viridis** Fckl. Symb. App. I. 22. In disco Betulæ albæ in Germania – Asci stipitati cylindracei 90 ≈ 8; sporidia oblongo-ovata, didyma, 10 ≈ 6, hyalina.

Conid. *Atractium flavo-viride.*

S. **fusca** Fckl. Symb. App. I. 23. Ad radices Fagi sylvaticæ in Germania – Asci oblongi, globuloso-stipitati, 80 ≈ 12; sporidia fusoidea, 1–septata, 16–20 ≈ 8, hyalina.

Macroconid. *Fusisporium sanguineum* Fr. St. conid. *Atractium* sistens.

S. **cæspitosa** Fckl. Symb. App. II. 33. In cortice Ulmi campestris in Germania – Asci oblongo-clavati, 96 ≈ 10; sporidia ovato-fusoidea, 1–septata, 16 ≈ 6, hyalina.

St. conid. *Stilbum* sistens.

S. **hyalina** Fckl. Symb. App. III. 21. In cortice putri Salicum – Asci subsessiles; sporidia oblongo-ovata, 1–septata, ad septum constricta, hyalina.

St. conid. *Atractium* sistens.

S. **sanguinea** Fckl. Symb. App. III. 22. In cortice putri Salicum – Asci cylindracei, subsessiles; sporidia didyma, ovato-oblonga, 18 ≈ 9, hyalina.

St. conid. *Atractium* sistens.

S. **cinnabarina** (Mtgn.) Tul. Carp. III. 103. In truncis variis Eur., Am. bor. et Cuba – Asci clavato-oblongi, 80 ≈ 13–16; sporidia disticha ovato-oblonga, 22–26 ≈ 7, plurinucleata.

St. conid. *Stilbum* (Atractium) *cinnabarinum* Mtgn. referens.

S. **gracilipes** Tul. Carp. III. 102. In truncis variis Europ., Am. bor. et Cuba – Asci cylindrico-clavati; sporidia monosticha, ovoidea, bilocularia, 2–guttata, 10–15 ≈ 4–5.

St. conid. *Stilbum* referens.

S. coccophila Tul. Carp. III. 105. In truncis variis ad Coccos in Europ. et Amer. boreal. – Asci lineares 60–80 × 6 ½; sporidia oblique monosticha ovata, 10 × 5, 1–septata.

Stat. conid. *Microcera coccophila* Dmz.

S. flammea Tul. Carp. III. 104. In truncis variis præcipue salicinis in Europ. et Amer. boreal. – Asci obovato-oblongi; sporidia ovata obtusa, constricto–1–septata.

St. conid. *Atractium flammeum* Bk.

S. repens B. & Br. F. Ceyl. n. 1005. In ligno Artocarpi integrifoliæ in Ceylan – Asci . . . .; sporidia 1–septata, 20 × 10.

Conidia adsunt.

S. variabilis B. & Br. F. Ceyl. 1006. In corticibus in Ceylan. – Asci lineares; sporidia ellipsoidea, utrinque apiculata, 1–septata, 12–15 × 7 ½.

S. Wrightii B. & C. Cub. F. n. 761. In stipitibus putresc. Palmarum in Cuba – Asci. . .; sporidia oblongo-ellipsoidea, 1–septata, 12 ½ × 6 ½.

Conidia adsunt.

S. nitida B. & C. Cub. F. n. 762. In caulibus Orchidearum in Cuba.

Nucleus indescriptus.

S. lateritia B. & C. Cub. F. n. 764. In caulibus putrescentibus in Cuba.

Nucleus indescriptus l. c. – St. conid.: ? *Stilbum lateritium* Berk.

Species desciscens.

S. pseudotrichia (Schw.) B. & Br. F. Ceyl. n. 1004, Grevillea IV. 46. In corticibus in Ceylon et Amer. boreal. Asci . . . .; sporidia cellulosa, 25–35 lga.

Conidia et stylosporæ adsunt. An novum genus, an Pleonectriæ species?

§§ **Asci pleiospori.**

15. **METANECTRIA** Sacc. Perithecia Nectriæ – Asci cylindracco-fusoidei, pleiospori. Sporidia oblonga, 1–septata, hyalina.

M. Citrum (Wallr.) Sacc. Sphæria Citrum Wallr. Comp. IV. 788. Nectria Citrum Mtgn. Pl. cellul. VIII. cent. p. 56. Ad truncos Alni in Germania – Asci 80–90 ≈ 15–25; sporidia 10 ≈ 4–5, hyalina.

B **Perithecii contextus cyaneus v. violaceus.**

16. **LISEA** Sacc. Michelia I. 43 in nota. Perithecia superficialia, gregaria, dispersa v. coacervata, globulosa, collabescendo rugulosa; contextu molliusculo, parenchymatico, amœne cyaneo v. violaceo – Asci octospori. Sporidia didyma, subhyalina.

St. conid. *Fusarium* referens.

L. nemorosa Sacc. Michel. I. 42–43 F. ital. tab. 181. In ramulis Cytisi nigricantis in Italia – Asci clavati, 70 ≈ 10–12; sporidia fusoideo-didyma, 14–16 ≈ 6–7, minute 4–guttulata, hyalina.

L. Vitis (Niessl) Sacc. Michel. I. 43. Botryosphæria Vitis Niessl Beitr. 48. In sarmentis Vitis in Germania – Asci . . . .; sporidia oblonga, 14–16 ≈ 4–5, constricto-1–septata.

L. Buxi (Fckl.) Sacc. Gibbera Buxi Fckl. Symb. App. II. p. 32. In ramis Buxi sempervirentis in Germania – Asci cylindracei, 82 ≈ 10; sporidia ovato-oblonga, utrinque obtusiuscula, 1–septata, ad septum leniter constricta, 12 ≈ 6, hyalina.

St. conid. *Fusarium Buxi* Fckl. Symb. 177.

++ **Perithecia stromate proprio immersa.**

a **Sporidiorum articuli secedentes.**

17. **HYPOCREA** Fr. Summa 383 p. p. Stroma carnosum variicolor pulvinatum v. effusum superficiale (rarissime fere obsoletum) – Asci cylindracei. Sporidia octona, bilo-

cularia, hyalina v. olivacea, loculis mox secedentibus, uti sporidia 16 appareant.

St. conidioph. in multis notus.

H. tremelloides (Schum.) Fr. Summa 383. In ligno putri Carpini &c. – Asci cylindrici, 82 ≈ 4–5. Sporidiorum articuli globosi, æquales, 4–5 diam., hyalini.

H. gelatinosa (Tode) Fr. Summa 383. In ligno putrido udo in Germania, Italia &c. – Asci cylindracei, 88 ≈ 4. Sporidiorum articulus superior globosus, 4 diam. inferior ovoideus 3 lat., dilute flavescentes, dein olivaceo-fusci.

H. rufa (Pers.) Fr. Summa 383. In ligno et ramis putrescentibus variis Eur. et Asiæ – Asci cylindracei, 72 ≈ 4; sporidiorum articuli subæquales, globosi, 3–4 diam., hyalini.

Conid. *Trichoderma viride* Pers.

H. rufa *lateritia Sacc. F. Ven. Ser. IV. 24. Ad ramos fagineos in Italia – Asci filiformes, 95–100 ≈ 5; sporidiorum articuli globoso-cuboidei, 4–4 ½ diam. 1-guttulati, hyalini.

H. rufa *sublateritia Sacc. F. Ven. Ser. IV. 24. In ramis Buxi semperv. in Italia – Asci lineares 70 ≈ 3–4; sporidiorum articuli globosi, 3 diam., 1-guttulati, hyalini.

H. rigens (Fr.) Sacc. Sph. rigens Fr. Elench. II. 61. Sph. lenta Schw. Carol. n. 28 non Tode (sec. Fr.) H. rufa *umbrina Sacc. F. Ven. ser. IV. 24. In truncis variis in Europ., Asia et Amer. boreal. – Asci lineares 60–80 ≈ 3–3 ½; sporidiorum articuli sphæroidei, 3–3 ¼ diam. (sec. Curr. 5 diam.) 1-guttulati, hyalini.

H. spinulosa Fckl. Symb. 184. In caule putri Chelidonii majoris in Germania et Fennia – Asci cylindracei 76 ≈ 5; sporidiorum articuli inæquales, inferior obovatus 4 lat., superior globosus 5 diam., flavescentes.

H. pulvinata Fckl. Symb. 185. In Polyporo sulphureo putri in Germania et Helvetia – Asci cylindracei, 70 ≈ 4; sporidiorum articuli globosi, æquales, 4 diam., hyalini.

H. citrina (Pers.) Fr. Summa 185. In terra, muscis, foliis in Europ. et Asia – Asci cylindracei 102 ≈ 6; spo-

ridiorum articuli subinæquales, subglobosi 4–6 diam., hyalini.

N. citrina *fungicola Karst. Fenn. II. 204. In Polyporis vetustis – Asci cylindracei 62–75 ≈ 4–5; sporidiorum articuli globosi, 3–4 diam., hyalini.

H. lactea Fr. Summa 383. In Polyporo Medullapane putrescente – Asci cylindracei, 56 ≈ 3; sporidiorum articuli subæquales, globosi 3 diam. hyalini.

H. alutacea (Pers.) Ces. & DNtrs Schema 193. Tul. Carp. III. 34. In acubus Pini silvestris et Abietum dejectis in Clavaria Ligula parasitica – Asci cylindracei, 56 ≈ 4; sporidiorum articulus superior globosus 4 diam., inferior subovatus, 4 ≈ 3, hyalini.

H. stipitata (Lib.) Fckl. Symb. App. I. 23. In foliis et ramulis Fagi silvaticæ – Asci lineares, p. s. 68 ≈ 4, stip. 20 lgo; sporidiorum articuli conoidei, hyalini, 5 ≈ 4.

H. atrata Karst. Fenn. II. 207. *H. repanda* Fckl. Symb. App. I. 24. In ligno putri Salicis &c. in Germania et Fennia – Asci cylindracei, 68 ≈ 5; sporidiorum articuli, æquales, globosi 4 diam., hyalini.

H. tuberculariformis Rehm. Ascom. n. 435. In fimo vaccino et in proximis caulibus exsiccatis in Tyroliæ alpibus – Species pulchella. Asci subclavati, teneri, apice incrassati, 56–60 ≈ 6–7, aparaphysati; sporidia 1 ½–2-sticha, (immatura?) elongato-ellipsoidea, obtusa, hyalina, bilocularia, non constricta, 7–9 ≈ 3.

H. hypomycella Sacc. n. sp. Stroma (in Corticiorum hymenio) effusum, tenuissimum, subvelutinum ex albo sordide roseolum; perithecia in stromate immersa, gregaria, minutissima, 90–100 micr. diam., globulosa, contextu parenchymatico molliusculo, olivaceo-fuscidulo, ostiolo punctiformi, minutissime denticulato; asci clavato-cylindracei, brevissime obtuse stipitati, 50–60 ≈ 10, octospori aparaphysati; sporidia oblique monosticha v. disticha didyma, mox in articulos globosos 3 micr. diam., 1-guttulatos, hyalinos secedentia.

Hab. in hymenio Corticii polygonii ad Carpinum *a Selva* (Italia) Apr. 1877.

Obs. Habitus et habitatio potius Hypomycetis, sed characteres Hypocreæ et probabiliter Hypocreæ lacteæ Fr. affinis.

H. armata Fr. Summa 383. Sphæria armata Pers. Myc. Eur. t. I. 1–2. Ad terram udam in Europa – Nucleus?

H. delicatula Tul. Carp III. 33. In truncis abietinis in Gallia et Anglia – Asci anguste lineares 100 × 4; sporidiorum articuli cuboidei, dein sphæroidei, 3 micr. diam.

H. farinosa B. & Br. Cooke Hndb. 776. In ramis putridis et in Stereo in Anglia – Asci filiformes; sporidia in articulos ellipsoideos secedentia.

H. inclusa B. & Br. Cooke Hndb. 776. In Tubere puberulo in Anglia – Asci lineares; sporidia in articulos globosos 3 $^1/_2$–5 diam. secedentia.

H. solenostoma B. & Rav. Cooke Grevill. IV. 14. In Pachymate Coco putr. in Amer. boreal. – Asci. . .; sporidiorum articuli globosi, 4 micr. diam.

H. parasitans B. & C. Grev. IV. 15. In Hydno Erinaceo in Amer. boreal. – Asci . . .; sporid. articuli globosi, majores.

H. discella B. & Br. F. Ceyl. n. 984. In ligno putri Ceylon – Asci lineares; sporidiorum articuli minores, 2 $^1/_2$ diam.

H. deplanata B- & Br. F. Ceyl. n. 985. In Ceylon – Asci . . .; sporidiorum articuli globosi, simulate catenulati, 5 diam.

H. pezizoides B. & Br. F. Ceylon n. 988. In Ceylon – Asci . . .; sporidiorum articuli globosi, 4 $^1/_2$–6 diam.

H. jecorina B. & Br. F. Ceylon n. 989. In corticibus et lignis in Ceylon – Asci . . .; sporidiorum articuli globosi 4–5 diam., simulate catenulati.

H. catoptron B. & Br. F. Ceylon n. 990. In lignis et corticibus in Ceylon – Asci . . .; sporidiorum articuli, 4–5 micr. diam.

H. palmicola B. & C. F. Ceyl. n. 994. In foliis Palmarum in Ceylon – Asci . . .; sporidiorum articuli globosi.

H. multiformis B. & Br. F. Ceyl. n. 995. In cortice et ligno putri in Ceylon – Asci . . .; sporidiorum articuli moniliformiter connexi, 3 $^3/_4$ micr. diam.

H. albo-fulva B. & Br. F. Ceyl. n. 996. In ramis Ceylon – Asci . . . .; sporidiorum articuli globosi 5 micr. diam,

H. hæmatoplaca Mtgn. Syll. 210. Ad cortices in Portorico – Asci filiformes; sporidiorum articuli (16) globosi, monostichi.

H. fusca Mtgn. Syll. 210. Ad petiolos Maximilianæ reginæ in Cayenna – Asci clavati, 8spori; sporidia (immatura?) oblonga 1–septata seu 2–nucleolata.

H. larvata Mtgn. Syll. 200 (sub Cordyc.) Ad cortices in Guyana, Kau – Asci filiformes; sporidiorum articuli numerosi (16?) globosi, monostichi.

H. brevipes Mtgn. Syll. 201 (sub Cordyc.) Ad ligna putrida in Cayenna – Asci et sporidia Hypocreæ (Mtgn. l. c.)

H. lætior B. & C. Cub. F. n. 754. In ligno putri in Cuba. Sporidiorum articuli (16), subglobosi, 5 micr. diam. Affinis dicitur *H. cervinæ*.

H. Fibula DNtrs Pir. Sfer. in G. B. ital. II. 50. In truncis arborum in Canariis – Asci cylindracei copiosissimi; sporidiorum articuli globosi, æquales.

H. Schweinizii (Fr.) Sacc. Sph. Schweinizii Fr. Elench. II 60. Sph. lobata Schw. Curr. Comp. Sphær. p. 267. Ad truncos corticatos Amer. boreal. – Asci cylindrici; sporidiorum articuli globoso-cuboidei.

H. Petersii B. & C. (Grevill. IV. 13). In America boreali – Asci lineares; sporidiorum articuli globosi.

H. Richardsonii B. & Mtgn. (Grev. IV. 14). In Populo in Amer. bor. – Asci clavati. Sporidia (articuli?) ellipsoidea.

H. viridi-rufa B. & Rav. (Grev. IV. 14). In Alno serrulata in Amer. bor. – Asci lineares; sporidia (immatura?) oblonga, binucleata.

H. contorta (Schw.) B. & C. (Grev. IV. 14). In truncis variis in Amer. bor.

H. Stereorum (Schw.) B. & C. (Grev. IV. 14). In Polyporo Curtisii B. in Amer. boreali.

H. chlorospora B. & C. (Grev. IV. 14). In montanis New-York – Asci lineares; sporid. articuli viriduli, globosi, 4 ½ diam.

Species incertæ.

H. cervina B. & C. Cub. F. n. 753. In ligno putri in Cuba. – Asci . . . .; sporidia octona (?) subglobosa, 3-3 $^1/_2$ diam.

H. insignis B. & C. Cub. F. n. 755. In ligno putri in Cuba – Nucleus immaturus.

H. viridans B. & C. Cub. F. n. 756. In foliis Gesneriæ in Cuba – Asci clavati; sporidia disticha, fusoidea, 14 $^1/_3$ lga.

H. maculiformis B. & C. Cub. F. n. 757. In Polyporo citrino in Cuba – Asci . . . .; sporidia 10 lga.

H. Artocreas B. & Br. F. Ceylon n. 983. In petiolis Palmarum in Ceylon – Nucleus immaturus visus.

H. corticioides B. & Br. F. Ceylon n. 986. In corticibus in Ceylon – Asci . . .; sporidia (immatura?) ellipsoidea, apiculata, 1–septata, 5–6 diam.

H. saccharina B. & C. Journ. Linn. Soc. X. 376. Cub. F. n. 752. In ligno putri in Cuba – Nucleus indescriptus.

H. saccharina B. & C. ***agaricicola** B. & Br. In stipitibus Agaricorum Ceylon – Nucleus immaturus.

H. fusigera B. & B. F. Ceylon n. 993. In foliis Monocotyledonearum in Ceylon – Asci fusoidei; sporid. (immatura?) fusoidea, 1–septata, 7 $^1/_2$ lga.

H. cerebriformis Bk. Austr. F. n. 228. Australia – Asci . . . .; sporidia octona (?) globosa.

H. tuberiformis B. & Rav. (Grev. IV. 13). In culmo Arundinariæ in Am. bor. – Nucleus indescriptus.

H. Ravenelii B. (Grev. IV. 14). In Ostrya et Acere in Am. bor. – Asci clavati; sporidia fusoidea, dein 3–septata, 37-38 lga. An Hypomyces?

H. ochroleuca B. et Rav. (Grev. IV. 14). In Myrica cerifera in Amer. bor. – Nucleus indescriptus.

H. polyporoidea B. & C. (Grev. IV. 15). In Fago in Amer. bor. – Nucleus indescriptus.

H. armeniaca B. & C. (Grevill. IV. 15). In Amer. bor. ad terram – Nucleus indescriptus.

H. subviridis B. & C. (Grev. IV. 15). In foliis putr. Graminum in Amer. bor. – Nucleus indescriptus.

H. **variabilis** Curr. in Trans. Linn. 1876 p. 130. In Pegu – Nucleus indescriptus.

H. **vitalba** B. et Br. Cooke IIndb. 775. In Clematide Vitalba in Anglia. Sporidia disticha, fusoidea, appendiculata, 3–septata, 50–60 ≈ 7, hyalina – Asci clavato-cylindracei – Non *Hypocrea*, an novi generis typus, an *Ceriospora* male observata?

H. **Pocula** (Fr.) Sacc. Sphæria Pocula Fr. Elench. II. 60. Ad truncos ad New-York – Nucleus indescriptus, sed Hypocrea videtur.

H. **atrovirens** Mtgn. Syll. 209. Ad ligna Rancagua – Nucleus indescriptus.

H. **phyllogena** Mtgn. Syll. 209. In foliis vivis Coutareæ speciosæ in Cayenna – Asci lineares, polyspori (?); sporidia linearia curvula, hinc medio ventricosa.

H. **impressa** Mtgn. Syll. 210. Ad cortices ramorum in Cayenna – Asci magni, clavati, 8spori; sporidia oblongo-cymbiformia, 2–nucleata, hyalina.

b. **Sporidiorum articuli non secedentes.**

18. **HYPOCREOPSIS** Karst. Fenn. II. 221–251, non Wint. Stroma tuberoso-carnosum, effusum, lobatum – Asci octospori. Sporidia ellipsoidea 1–septata, loculis non secedentibus.

H. **riccioidea** (Bolt.) Karst. 221–251. Acrospermum lichenoides Tode Mekl. I. p. 9. Hypocrea parmelioides Mtgn. Syll. 210. In cortice Betulæ in Anglia, Gallia et Fennia – Asci cylindracei 130–160 ≈ 10; sporidia ellipsoidea, obtusa, 1–septata, 16–22 ≈ 8–10.

Sect. 4. **Phragmosporæ** Sacc.

Sporidia oblonga v. fusoidea 2–pluri–septata, hyalina.

\+ **Superficiales.**

A **Perithecii contextus ruber v. flavicans.**

19. **CALONECTRIA** DNtrs Recl. Pir. ital. in Comm. Critt. II. 477. Perithecia et asci Nectriæ. Sporidia octona.

fusoidea, 2–pluriseptata, hyalina – Status secundarii in nonnullis cogniti.

a. **Genuinæ**: sporidia distincte pluriseptata.

C. Daldiniana DNtrs Recl. in Comm. critt. II. 477.

Hab. Locarno (Italia), in foliis dejectis Magnoliæ grandifloræ (Daldini).

Char. Hypophylla. Pyrenia sparsa, mox liberata, rotundata, carneo-rufescentia, cellulis rotundatis contexta, papulosa, osculo exiguo submarginulato demum hiantia in sicco collabescentia – Asci 8spori, sporidiis maturescentibus evanidi. Sporidia tereti-fusoidea, leniter curvula v. sigmoidea, 50–60 ≈ 10–20, plurilocularia, hyalina.

Obs. A typo Nectriæ sporidiis fusoideis, magnis, plurilocularibus distinguitur. DNtrs l. c.

C. Plowrightiana Sacc. nova spec.

Hab. in caule putrescente Lappæ in Anglia, Febr. 1878 (C. B. Plowright.).

Char. Perithecia gregaria, subsuperficialia, globoso-conoidea, amœne cinnabarina, $^1/_4$ mill. diam., ostiolo punctiformi nigricante; contextu molliusculo parenchymatico; asci crasse clavati, 90–100 ≈ 20–22, spurie paraphysati, 8spori; sporidia disticha v. subtristicha, cylindraceo-fusoidea, utrinque obtusiuscula, curvula, 40–50 ≈ 6, 5–7-septata, 6–8-guttulata, hyalina.

C. Pseudo-Peziza (Dmz.) Sacc. Sphæria Pseudo-Peziza Dmz. I. Notic. (1840) p. 186.

Hab. in ligno decorticato, ramisque Cytisi Laburni, nec non in Arundine Donace, in Gallia.

Char. Gregaria, minima; perithecia globosa, glabra, levia, subpapillata, armeniaca, dein eburnea, collabescendo concava; asci subhyalini; sporidia 3–4 maxima, elongata, recta v. curvula, 4–7-septata.

C. hirta (Blox.) Sacc. Nectria hirta Blox., Cooke Hndb. p. 783.

Hab. in lignis putridis in Anglia (Twycross).

Char. Perithecia minuta, subglobosa, breve papillata,

carneo-rubra, hyalino-setulosa. Sporidia disticha, utrinque attenuata, curvula, pluriseptata, 75 lga. hyalina.

C. platasca (Berk.) Sacc. Nectria platasca Bk., Cooke Hndb. 785.

Hab. in ligno putrido in Anglia.

Char. Perithecia sparsa, globosa, aurantiaca, obtuse papillata, basi insculpta – Asci sursum incrassati. Sporidia oblonga, 3-septata, 4-nucleata.

C. pyrochroa (Dmz.) Sacc. Nectria pyrochroa Dmz. XXIV. Not. 18.

Hab. in foliis emortuis Platani, aut., in Gallia.

Char. Amphigena, minuta. Perithecia sparsa, superficialia, globosa, membranaceo-mollia, rubro-aurantiaca, furfuracea, sicca applanata v. concava, ostiolo glabro, brunneo, late conico obtuso - Asci ampli clavato-ventricosi, 75–100 ≈ 25, cito resorpti. Sporidia octona, fusiformia, hyalina, subarcuata, utrinque obtusiuscula, 50–60 ≈ 7 $^1/_2$, 4-nucleato, 3-septata – Conid.: *Glœosporium Platani* (Mtgn.) Oud.

C. Oudemansii (West.) Sacc. Nectria Oudemansii West., Oudem. Nat. Mycol. Néerl. I. 46.

Hab. in ramis emortuis Urostigmatis Neumanni in calidariis Horti botanici Amstelodamii.

Char. Cæspites subrotundi v. elongati, parvi, vulgo 2 mill. diam., sæpe confluentes et secundum fibrarum decursum protracti. Perithecia 2–20 sibi approximata, $^1/_{10}$ mill. diam. pulchre aurantiaca, pulvere subtilissimo albo basi præsertim tecta; ostiolum papilliforme – Asci clavati, octospori, 50–55 micr. lgi, membrana vere invisibili. Sporidia ovali-oblonga, 2–3-septata, hyalina. Oud. l. c. Affinis, sed non identica, *C. citrino-aurantiæ* Lacr. sec. Westendorp.

C. polythalama (Berk.) Sacc. Nectria polythalama B. Fl. New. Zeel. II. 203 - Grevill. IV. 46.

Hab. in Liquidambar et Fraxino in America boreali.

Obs. Sporidia curvula, pluriseptata, 20–25 lga.

C. aurigera (B. & Rav.) Sacc. Nectria auriger B. & R. Grevill. IV. 46.

Hab. in Fraxino in America boreali.

Obs. Cæspitosa aureo-pulverulenta, ostiolo collapso fusco. Sporidia breviter cymbiformia utrinque attenuata, pluriseptata (sæpe 7–septata) 25 m. lga.

C. flavitecta (B. & C.) Sacc. Nectria auriger v. flavitecta Grevill. IV. 46.

Hab. in Kerria japonica in America boreali.

Obs. Sporidia 4-septata, 37 m. lga, sæpe strato gelatinoso obvoluta.

C. Leightonii (Bk.) Sacc. Nectria Leightonii Bk., Grevillea I. 155.

Hab. in ramis Laricis in Anglia et Cuba.

Char. Sparsa, minuta; perithecia ovata, flava v. sordide rubra; sporidia subcymbiformia, triseptata, hyalina, 25 micr. lga.

C. Volutella (B. & Br.) Sacc. Nectria Volutella B. & Br. F. Ceyl. n. 1013, pag. 115.

Hab. in foliis Atalantæ monophyllæ, super quadam crusta lichenoidea, alba, hispida.

Char. Carneo-pallida, ostiolo obscuriore, setis pallidis ornata; sporidia fusiformia uno latere ventricosa, biseptata.

C. erubescens (Dmz.) Sphæria (denudata) erubescens Dmz. XIII Not. p. 72.

Hab. in pag. inf. foliorum Ilicis Aquifolii, in Gallia, autumno.

Char. Sparsa v. subgregaria, superficialis basi villosa alba radiata. Perithecia minuta, globosa, mollia, glabra, testacea dein badio-rubra collabescendo concava: ostiolo papilliformi – Asci clavati 50 lgi. Sporidia oblonga, subacuta, subcurvula, 17 × 4, 3-septata, hyalina.

C. Bloxami (B. & Br.) Sacc. F. V. ser. IV. 23. & F. ital. tab. 195. Nectria Bloxami B. & Br., Cooke Hndb. 787.

Hab. in ramulis Vincæ majoris in Italia, Verbasci in Germania, in caulibus herbaceis in Anglia.

Char. Perithecia semiimmersa, discreta, globulosa, carnea – Asci cylindraceo-subclavati, basi attenuati, 65–70 × 8–10, apice subtruncati, lumineque coarctati, 8spori.

pseudoparaphysibus filiformibus obvallati. Sporidia inordinate disticha, fusoidea, 15 × 3 ½–4, utrinque acutiuscula, 4-guttulata, medio subinde constricta, recta v. curvula, matura certe 3-septata. Sacc. l. c.

C. **ochraceo-pallida** (B. & Br.) Sacc. F. V. ser. IV. 23. F. it. tab. 195. Nectria ochraceo-pallida B. & Br., Cooke Hndb. 786.

Hab. in ramulis Ulmi in Anglia, in caulibus Salviæ glutinosæ in Italia.

Char. Perithecia superficialia, sphæroidea, carneo-luteola – Asci clavati, deorsum attenuati, 70 × 11, initio pseudoparaphysati, 8spori, apice attenuato-subtruncati, lumineque abrupte coarctato. Sporidia disticha, fusoidea, curvula, 18–20 × 4 ½–5, initio nucleolis 4 cuboideis fœta, dein 3-septata, hyalina. Sacc. l. c. – Sec. Crouan Fin. p. 39, hæc species gauderet sporidiis 7–8-septatis; ergo cl. Crouan speciem diversam sub oculis habuisse liquet.

C. **duplicella** (Nyl.) Karst. Fenn. II, 218. Sphæria duplicella Nyl.

Hab. in cæspitibus Jungermanniarum in Lapponia rossica.

Char. Perithecia sat sparsa, subsphæroidea, sicca supra depressa inde pezizoidea, glabra, albida, v. carnea, ⅕–⅓ mill. diam. – Asci 90 × 16–18. Sporidia 2–4na, fusoideo-elongata 35–50 × 9–10, 3–7-septata (septis sæpe nonnihil irregularibus v. sæpe non æquidistantibus) hyalina. Paraphyses graciles, apice subæquali v. leviter incrassato – Perithecia sicco collabentia, gialectoidea. Karst. l. c.

C. **Fuckelii** (Nke) Sacc. Nectriella Fuckelii Nke, Fckl. Symb. 176.

Hab. in ligno putri indurato Populi nigræ *bei Oestrich*, Aut.

Char. Perithecia sparsa semiimmersa, punctiformia, mollia, diaphana, basi globosa, sursum conica, flavo-rubra; asci elongati, 8spori; sporidia disticha, oblonga, utrinque parum attenuata, 3-septata, septo intermedio distinctiore, 16 × 6, guttulata, hyalina.

C. decora (Wallr.) Sacc. Sphæria decora Wallr. Crypt. II. 842. Nectria decora Fckl. Symb. 179, t. IV. fig. 4.

Hab. in ramorum rimis Aceris campestris in Germania, vere.

Obs. Asci oblongi, 94 × 18, 8spori; sporidia subdisticha, ovato-oblonga, utrinque parum attenuata, 3–septata, 24 × 8, hyalina.

C. agnina (Dmz.) Sacc. Sphæria (villosa) agnina Dmz. XIII. Not. p. 72.

Hab. ad ramos siccos Ulmi, in Gallia, autumno.

Char. Perithecia minutissima, ovoidea, sparsa v. aggregata, fulvo-lutea, villo tenui helvolo tecta, ostiolis rotundatis, nitidis aurantiacis – Asci clavati 100 lgi. Sporidia oblonga recta, utrinque obtusa, 20 lga, 3–septata, subhyalina.

C. varians Sacc. Michelia I. 52 & F. ital. tab. 154.

Hab. in ramis putrescentibus corticatis Mori albæ, socia Botryosphæria (Gibberella) pulicari β moricola, in Italia.

Char. Perithecia superficialia, plerumque circum stroma crassiusculum pallidum aggregata, rarius, stromate fere deficiente, subsparsa, e globoso conoidea v. subangulosa, aquose carnea, levia, ostiolo, acutiusculo, denique leviter collabescentia, contextu parenchymatico, roseo; asci cylindraceo-fusoidei, 80–100 × 12–15, deorsum attenuati, lumine apice coarctato, aparaphysati, 8spori; sporidia oblique monosticha v. disticha, fusoidea, 20–24 × 7, recta v. curvula, utrinque obtusiuscula, 3–septata ad septa constricta, hyalina.

C. viburnicola (Cr.) Sacc. Nectria viburnicola Cr. Fin. 39.

Hab. in ramis emortuis Viburni Tini, in Gallia, vere.

Char. Perithecia $^1/_2$ mill. diam., flavo-aurantia, cortice semiimmersa, sphærica v. ovoidea, mollia; nucleus albus; asci clavati, 8spori; paraphysibus filiformibus obvallati; sporidia fusoidea, 7–8–septata, 8–9-guttulata, hyalina.

C. opalina (Cr.) Sacc. Nectria opalina Cr. Finist. 39.

Hab. in caulibus emortuis, submersis Cirsii palustris, in Gallia, vere.

Char. Perithecia 1–2 mill. diam., alba, ovoidea, semiimmersa, contextu filamentoso-reticulato, ostiolo papillato – Asci subclavati, paraphysibus filiformibus obvallati, octospori. Sporidia fusiformia, 8–septata, hyalina.

C. **Massariæ** (Pass.) Sacc. Fung. ital. tab. 193. Nectria Massariæ Pass. in Rbh. F. E. 1827.

Hab. in ostiolis Massariæ inquinantis ad ramulos Aceris campestris, in Italia.

Char. Perithecia 2–5–subaggregata, e globoso conoidea, minuta, $^1/_8$ mill., rosea, ostiolo punctiformi; asci fusoideo-elongati, 70 × 15, apice acutiuscule subtruncati, aparaphysati, 8spori. Sporidia disticha, oblongo-fusoidea, 22–30 × 8, utrinque obtusiuscula, recta v. curvula, 4–nucleata, rarius pluriguttulata, dein 3–septata, ad septum medium vix constricta, hyalina.

C. **macrospora** Sacc. & Sp. F. ital. tab. 197. Michelia II. 251.

Hab. in cortice emortuo Vitis viniferæ, a *Conegliano* (Italia).

Char. Perithecia sparsa, erumpentia v. semierumpentia, fibrisque corticalibus obvelata, globoso-conoidea, vertice subtruncata, croceo-aurantiaca, contextu molliusculo, parenchymatico; asci elongato-clavati, apice rotundati, lumineque initio coarctato, deorsum attenuato-stipitati, p. s. 110–120 × 30, paraphysati, 8spori; sporidia di-tri-sticha, fusoidea, 50–65 × 12–15, leniter curva, 7–8–septata, ad septum medium leniter constricta, grosse 8–9–guttulata, hyalina.

C. **Cucurbitula** (Fr.) Sacc. Nectria Cucurbitula. Fr. Scler. Suec. n. 263, sec. Mtgn. Plant. cellul. VIII. Cent. p. 72.

Hab. in cortice Pini, Meliæ Azedarach &c.

Char. Cæspitosa; perithecia ovato-globosa, levia aurantio-rubra, collapsa cupuliformia, ostiolo obsoleto – Asci clavati 100 lgi, paraphysibus filiformibus pluriguttulatis, obvallati, octospori. Sporidia oblongo-fusoidea, 15 × 4, 5–6–septata, hyalina.

C. **funicola** (B. & Br.) Sacc. Nectria funicola B. & Br. Cooke Hndb. 784.

Hab. in chorda putrescente in Anglia.

Char. Perithecia sparsa, aurantia, ovoidea, sursum attenuata, pilis obtusis, brevibus, hyalinis raris vestita – Asci clavati; sporidia oblongo-ellipsoidea, inæquilateralia, 3–septata, 4–nucleata, hyalina.

C. rigidiuscula (B. & Br.) Sacc. Nectria rigidiuscula B. & Br. F. Ceyl. n. 1024.

Hab. in corticibus Zeylani.

Char. Cæspitosa; perithecia ovata, pallide coccinea, vix collabentia; asci . . . .; sporidia submetulæformia, 4–nucleata, demum 3–septata, 25 lga. – Affinis *C. ochraceo-pallidæ* sed habitu et colore differt.

b. **Desciscentes**: sporidia fusoidea 1-serialiter pluriguttulata (tandem prob. pluriseptata).

C. flavida (Cda) Sacc. Sphæria flavida Cda IV. 40 f. 117.

Hab. in ligno putrescente Alni prope Pragam, vere.

Char. Hypostroma floccosum, flavum, tenue. Perithecia subglobosa, minuta, aurantiaca, villo tenui flavido tecta, ostiolo nudo rotundato; nucleo flavido – Asci (ex icone) crasse fusoidei. Sporidia fusiformia curvula, 12 $^{3}/_{4}$ lga, 2–3–4 guttulata, hyalina.

C. Levieuxii (Fr.) Sacc. Nectria Levieuxii (Fr.) Cr. Finist. 37.

Hab. in cortice Ulmi in Gallia.

Char. Effusa emersa, coccineo-miniata; stroma rubro-pallescens; perithecia numerosissima, minuta, comata demum prominuta, collabentia (Fr. Elench. II. 84). Sporidia oblonga, 4–guttata (Cr. l. c.)

C. Jungermanniarum (Cr.) Sacc. Nectria Jungermanniarum Cr. Finist. 37.

Hab. in cortice Ulmi in Gallia.

Char. Perithecia 3–4 mill., flavo-aurantia, sessilia, oblonga, vertice pilis rectis hyalinis coronata, mycelio filamentoso laxe insidentia, subtortuosa – Asci crasse clavati, 8spori, paraphysibus asco longioribus, apiceque coronatis obvallati. Sporidia navicularia, crasse 3–nucleata, hyalina.

C. citrino aurantia (De Lacr.) Sacc. Nectria citrino-aurantia Dmz. Ex 2 Ser. n. 778 (non vidi), Tul. Carp. III. 86.

Hab. in ramis emortuis Salicis et Genistæ in Gallia.

Char. Perithecia minutissime globosa, umbilicata dilute flavida in cæspites exiguos obtusos dense aggregata – Asci obovato-lineares, 50 × 5; sporidia cylindracea, vix ovata, 6–8 × 3 ½, 4–guttulata, 2– dein 3–locularia hyalina.

C. aurea (Cr.) Sacc. Nectria aurea Cr. Finist. 37.

Hab. in sarmentis emortuis Rubi in Gallia.

Char. Perithecia ⅕ mill. diam., flavo-aurea, subovoidea, infra medium bysso aureo-citrino vestita – Asci fusoidei. Sporidia cylindracea, 4–guttata, hyalina.

C. Brongniartii (Cr.) Sacc. Nectria Brongniartii Cr. Fin. 37.

Hab. in trunco Ilicis ad frondem Frullaniæ dilatatæ in Gallia.

Char. Perithecia ⅕ mill. diam., flavo-aurantia, sphærica, mollia, contextu filamentoso-reticulato, mycelio albo araneoso insidentia. Asci fusoidei, 8–spori. Sporidia, subcylindracea, 4–guttata, hyalina.

C. dacrymycella (Nyl.) Sacc. Nectria dacrymycella (Nyl.) Karst. Fenn. II. 216.

Hab. ad caules Urticæ &c. in Fennia, Germania, Tyrolia &c.

Char. Perithecia juvenilia omnino innata, deinde denudata, hemisphærica, prominula, apice depressiuscula, subtremelloidea, aurantio-lutea, minuta, diam. ⅕ mill., glabra. Sporidia octona, fusoidea, tenuiter uniseptata, 2–4–guttulata hyalina 16–18 × 3 ½–4 ½; paraphyses propriæ nullæ. Karst. l. c. – Probabiliter sporidia tandem tenuiter pluriseptata fiunt.

C. Sceptri (Karst.) Sacc. Nectria Sceptri Karst. Fenn. II. 216.

Hab. ad caules emortuos Pedicularis Sceptri in Lapponia.

Char. Perithecia sparsa, subinde nonnulla subcon-

fluentia, epidermide tecta, deinde emersa, denudata, sphæroideo-applanata, vertice depressiuscula, in sicco senio subcupuliformia, subtremelloidea, levia, glaberrima, subaurantiaco-lutea, $^2/_5$ mill. diam. – Asci subcylindracei, 46–60 × 5, aparaphysati. Sporidia fusoideo-elongata, 12 × 2 $^1/_2$, 4-guttulata, hyalina.

C. muscivora (B. & Br.) Sacc. Nectria muscivora B. & Br., Cooke Hndb. p. 786. Sensu Dmz. eadem esset ac *N. bryophila* Rob. & Dmz.

Hab. ad muscos in Anglia, ad Jungermannias in Carolina austr.

Char. Mycelium effusum album, tomentosum. Perithecia aggregata, aurantia, semiimmersa, ovoidea quandoque collabentia, ostiolo papilliformi – Asci clavati. Sporidia breve fusoidea, utrinque acuta, 4-nucleata, 1-septata, tandem probabiliter triseptata. Cooke l. c.

C. helminthicola (B. & Br.) Sacc. Nectria helminthicola B. & Br., Cooke Hndb. p. 787.

Hab. parasitice in specie quadam Helminthosporii in Anglia.

Char. Parasitica, carnea, minuta, globosa, glabra – Asci sursum attenuati, sæpe curvi; sporidia hyalina, 2–4-nucleata, 15 lga, denique 1–3-septata. *Nectria helminthicola* Fckl. Symb. 181 diversa est.

C. luteola (Dmz.) Sacc. Sphæria luteola Dmz. XIX. Not. p. 19.

Hab. in foliis siccis arborum Fraxini, Tremulæ, Aceris in Gallia, æstate.

Char. Amphigena erumpens, demum superficialis, sparsa v. subgregaria. Peritheciis minutissimis, sphæricis, mollibus, luteolis, dein argillaceis, collabescendo pezizoideis, ostiolo exiguo papilliformi, mox evanido. Asci 8spori, clavati 50 lgi. Sporidia inordinata, oblonga, obtusa, recta v. curvula, glauca, subhyalina, 3–4-guttulata, 15–20 × 5–6 (sec. Tul. Carp. III. 94; asci 70–90 lgi; sporidia tantum biloculata, 13 × 3).

C. pulcherrima (B & Br.) Sacc. Nectria pulcherrima B. & Br. Fung. Ceyl. n. 1021 p. 116.

Hab. in corticibus in Ceylon.

Char. Cæspitosa; perithecia lenta, coccinea, furfuracea, ostiolo papilliformi; sporidia biseriata fusiformia, 4–nucleata.

C. **Curtisii** (Berk.) Sacc. Nectria Curtisii Bk. Grevillea IV. 46.

Hab. in (culmo?) Zeæ in Carolina inferiore.

Char. Minuta, erumpens, sparsa; asci lanceolati; sporidia oblonga, curvata, 4–nucleata, 12 $^1/_2$ × 2–3, hyalina.

C. **minuscula** Sacc. & Sp. Michelia II. 251. F. ital. tab. 194.

Hab. in foliis subputrescentibus Cryptomeriæ japonicæ, in Italia.

Char. Perithecia globulosa, subsuperficialia, hyalino-rosea, $^1/_8$ mill. diam.. basi hyphulis parcis vestita, ostiolo crassiusculo, truncato, latiuscule pertuso; asci fusoideo-cylindracei, sub apice initio contracti, basi attenuati, 40 × 7–8, aparaphysati, tetraspori; sporidia fusoidea, v. subclavata, utrinque obtusiuscula, curvula, 15–16 × 3–3 $^1/_2$, 4–nucleata (v. granulosa) hyalina (verisimiliter matura 3–septata).

C. **obvoluta** Karst. Fenn. II. 217.

Hab. in foliis aridis Calamagrostidis in Fennia (*Mustiala*), Oct.

Char. Perithecia sparsa, superficialia, sphæroidea, arescendo collapsa, poropertusa, flavida, villo-albo obvoluta, $^1/_3$-$^1/_2$ mill. diam. – Asci fusoideo-elongati, 40–45 × 5–6. Sporidia octona disticha v. oblique monosticha, fusoideo-elongata, 8–12 × 2, pluriguttulata, hyalina. Conidia supra mycelium elongata, hyalina, 6 × 1 $^1/_2$.

C. **xantholeuca** (Kunze) Fr.? Karst. Symb. VI. 241. Ad caules Trifolii medii exsiccatos in Fennia – Asci cylindracei, 8 cr.; sporidia fusoideo-elongata, 11–16 × 3–3 $^1/_2$, 2–4–guttata, hyalina.

C. **Ulicis** (Cr.) Sacc. Nectria Ulicis Cr. Finist. 38.

Hab. in radicibus et caulibus emortuis Ulicis in Gallia.

Char. Perithecia solitaria, globulosa, majuscula, levia, atropurpurea, ostiolo vertice nigricante; asci dehi-

scentes, octospori; sporidia cymbiformia, 4–guttata, 1–septata, hyalina.

C. **luteo-fusca** (Cr.) Sacc. Nectria luteo-fusca Cr. Finist. 39.

Hab. in chorda putrescente dejecta in Gallia.

Char. Perithecia $^1/_2$ mill. diam., castaneo-fusca, sphæroidea (sicca cupuliformia) contextu reticulato, ostiolo punctiformi; asci fusoidei, 8spori; sporidia fusiformia, 4–guttata, 1–septata.

20. **PARANECTRIA** Sacc. Perithecia nectriacea – Asci octospori. Sporidia cylindraceo-sigmoidea, utrinque setigera, 3–septata, hyalina.

P. **affinis** (Grev.) Sacc. Sphæria affinis Grev., Dmz. XXIII. Not. p. 6. Nectria affinis (Gr.) Fr. Summa 387.

Hab. in thallo Ephebes pubescentis in Anglia et Gallia.

Char. Perithecia pauca, minutissima, sparsa, globosa, $^1/_4$ mill., membranacea submollia, aurantiaca, subpapillata, basi villo albido tecta – Asci clavati 75 × 15, octospori. Sporidia inordinata v. disticha, sigmoidea, 30 × 10, triseptato-nucleata, hyalina, utrinque setulâ rectâ 10–15 lgâ aucta.

B. **Perithecii contextus cyaneus v. violaceus.**

21. **GIBBERELLA** Sacc. Michelia I. 43. Perithecia Liseæ – Asci octospori; sporidia ex ovoideo fusoidea 3–pluriseptata subhyalina.

Stat. conid. *Fusarium* seu *Selenosporium* referens.

G. **pulicaris** (Fr.) Sacc. Mich. I. 43. Botryosphæria pulicaris (Fr.) Ces. & DNtrs, Sacc. F. Ven. ser. IV. 5 – Asci 70–90 × 10–14; sporidia 3–septata 15–30 × 5–7.

subsp. *typica* Sacc. F. Ven. ser. IV. 5. In Sambuco, Laburno &c. in tota Europa.

subsp. *moricola* (DNtrs.) Sacc. l. c. In Moro et Broussonetia in Italia et Germania.

subsp. *baccata* (Wallr.) Sacc. l. c. In Robinia, Viburno &c. in Italia, Germania &c.

subsp. *Saubinetii* (Dur. & Mtgn.) Sacc. l. c. (cum

plurr. variat.) In ramulis caulibusque plantarum variarum in tota Europa et Algeria.

G. **acervalis** (Moug.) Sacc. Gibbera ac. Fckl. Symb. 166. In ramis Salicis capreæ – Asci oblongi 76 × 10; sporidia, ovato-oblonga, 3–septata, 18 × 6, hyalina. Spermogonia nota.

G. **Evonymi** Fckl. (sub Gibbera) Symb. 167. In cortice Evonymi europei – Asci ovato-oblongi, 64 × 12; sporidia oblonga, utrinque obtusa, 3–septata, 20 × 6, hyalina.

G. **flacca** (Wallr.) Sacc. Gibbera flacca Fckl. Symb. 168. In caulibus Solani Dulcamaræ (Fckl.) et Broussonetiæ (Niessl).

Obs. Ceteræ Botryosphæriæ species in libris Notarisianis meisque recensitæ, perithecio subcarbonaceo fuligineo-atro, sporidiisque continuis donatæ, in genere sphæriaceo (nec hypocreaceo) Botryosphæria manebunt.

++ Ligno immersæ (endoxylæ)

22. **CESATIELLA** Sacc. Michel. II. 250. Perithecia ligno immersa molliuscula, succinea, stromate obsoleto limitata, globosa, papillulata – Asci paraphysati, 8spori; sporidia fusoidea (falcata) pluriseptata, hyalina.

C. **australis** Sacc. & Sp. Michelia II. 250, F. ital. t. 198. In ramis emortuis Oleæ europeæ in Italia – Asci cylindracei, 95–105 × 12; sporidia arcte falcata, fusoidea, 40–45 × 5, 3–septata, non constricta, hyalina.

Sect. 5. **Scolicosporæ** Sacc.

Sporidia filiformia v. bacillaria pluriseptata, raro continua, hyalina.

+ Stromaticæ.

23. **CLAVICEPS** Tul. in Ann. S. N. ser. III. XX. p. 43 (1853). Stroma stipitatum erectum e sclerotio oriundum, capitatum. Perithecia stromati immersa, non prominula. Sporidia filiformia, continua, hyalina. Spermogonia et conidia nota.

C. purpurea (Fr.) Tul. Ann. Sc. nat. XX. p. 45 (1853). In caryopside sclerotio affecta Secalis Cerealis – Asci lineares; sporidia filiformia, continua, hyalina.

Mycel. quiet.: *Sclerotium Clavus* DC. – Spermog.: *Sphacelia segetum* Lév. – Conid.: *Fusarium heterosporum* Nees.

Varietates sunt β *Acus* Trog. in caryops. Calamagrostidis) et γ *Hookeri* Kl. (in Bk. Engl. Fl.)

24. **CORDYCEPS** Fr. Summa 381. p. p. Torrubia Lév., Tul. Stroma stipitatum erectum, sæpius entomogenum v. mycogenum, clavatum. Perithecia semiimmersa prominula, v. sublibera (in subg. *Racemella* Ces.) Asci octospori. Sporidia filiformia in articulos mox secedentia, hyalina.

Stat. conid. *Isariam* sistens.

C. militaris (L.) Link Hndb. III. 347. Torrubia militaris Tul. In larvis insectorum putrescentibus in Europa et Asia – Asci longissimi, lineares 4 micr. cr.; sporidia filiformia, dein in articulos ovatos minutissimos secedentia.

Status conidicus *Isariam farinosam* Fr. sistens.

C. ophioglossoides (Schmid.) Link Hndb. III. 347. Torrubia ophioglossoides Tul. Parasitica in Elaphomycete granulato – Asci cylindrici 7–9 micr. cr. Sporidia filiformia, dein in articulos subellipsoideos, 3–4 × 2–3 secedentia, luteola.

C. capitata (Holmsk.) Lk. Hndb. III. 347. Torrubia capitata Tul. Parasitica in Elaphomycete granulato – Asci cylindracei, 15 cr. Sporidia filiformia, dein in articulos elongatos, 25–40 × 6, secedentia, chlorino-hyalina.

C. myrmecophila Ces. in Kl. Herb. myc. n. 1033. Torrubia myrm. Tul. In Myrmica rufa et Ichneumone in Europa et Asia – Asci cylindrici 300 = 6–7. Sporidia filiformia, dein in articulos cylindro-fusoideos, 7–11 × 1–2, hyalinos secedentia. Cfr. Comm. Critt. ital. I. t. 4 f. 2.

C. fuliginosa Ces. in Comm. critt. ital. I. 67 t. 6 f. 1. In chrysalidibus Bombycis antiquæ. Nucleus immaturus visus.

C. Gunnii Bk. in Curr. Comp. Sph. 262. In Australia – Asci cylindracei; sporidia filiformia in articulos subcuboideos 1-guttulatos, 5 micr. lgos hyalinos secedentia.

C. **entomorrhiza** (Diks.) Fr. Summa 381. Torrubia entomorrhiza Lév. In larvis et chrysalidibus insectorum in Europa et Australia – Asci cylindrici. Sporidia filiformia in articulos cylindricos, 7–8 lgs secedentia, hyalina (Curr).

C. **gracilis** (Grev.) Dur. & Mtgn. Alg. I. 449. Xylaria gracilis Grev. In larvis ad terram in Anglia, Gallia et Algeria – Asci longissimi cylindrici; sporidia capillaria in segmenta cylindroidea secedentia. Sec. Tul. vix diversa a *C. entomorrhiza.*

C. **Hügelii** Cda Anl. 136 et 207 (Icon. f. IV. 44 f. 129). In larvis Bombycum in Nova-Zelandia. Asci cylindraceo-fusoidei, 12–16 micr. cr.; sporidia bacillari-fusoidea, 18–20-septata, 2 $^3/_4$–3 cr., curvula – Secundum DNtrs. forte eadem species ac *C. Robertsii* Hook.

C. **cæspitosa** Tul. Carp. III. 11, sub Torrubia. In Cicadis defossis in Nova Zelandia. – Fructificatio . . . .

C. **Miquelii** Tul. Carp. III. 11, sub Torrubia. In larva Cicadæ in Brasilia. – Fructificatio . . . .

C. **Melolonthæ** Tul. Carp. III. 12, sub Torrubia. In larvis infossis Melolonthæ in America boreali. – Fructificatio . . . .

C. **sinensis** Berk. in Hook. Journ. 1843. 207. In larvis insectorum in Sina. – Fructificatio . . . .

C. **Tayloris** Berk. in Hook. Journ. 1843 p. 209. In larvis insectorum. – Fructificatio . . . .

C. **Humberti** Rob. in Tul. Carp. III. 18. In Icaria (Vespa) cincta in Senegal. – Fructificatio . . . .

C. **unilateralis** Tul. Carp. III. 18, sub Torrubia. In Átta (Formica) cephaloti in Brasilia. – Fructificatio . . . .

C. **coccigena** Tul. Carp. III. 19, sub Torrubia. In Coccis in Nova Guinea. – Fructificatio . . . .

C. **Curculionum** Tul. Carp. III. 20, sub Torrubia. Clav. entomorrhiza Rob. Hist. veg. par. 650, nec Dicks. In Curculionibus exoticis.

C. **cinerea** B. & C. Torrubia cinerea Tul. Carp. I. 16. In larvis et insectis perfectis Caraborum – Asci cylindrici; sporidiorum articuli lineares, recti 7–10 lgi.

C. **Barnesii** Thw. in B. & Br. Ceyl. F. n. 977. In larva

Melolonthæ in Ceylon – Conidia nota; nucleus indescriptus.

C. sobolifera (Hill.) Berk. in Hook. Lond. bot. Journ. 1843 p. 207. Torrubia sobolifera Tul. Carp. III. 10. In larvis insectorum lamellicornium in Ceylon – Asci cylindrici; sporidiorum articuli lineares, diametro 8plo longiores.

C. Sphingum B. & C. Cub. F. n. 746. Torrubia Sphingum Tul. Carp. III. 12. In Sphingibus in Europa et America – Asci cylindracei, 4 cr.; sporidia filiformia – St. conid.: *Isaria Sphingum* Schw.

C. dipterigena B. & Br. Ceyl. F. n. 980. In insectis dipteris in Ceylon. – Nucleus indescriptus.

C. Montagnei B. & C. Cub. F. n. 747. Isaria gigantea Mtgn. In corpore Mygales cubanæ, Cuba.

C. memorabilis Ces. Racemella memorabilis Ces. in Comm. critt. ital. I. 65 t. IV. f. 1. In corpore Staphylini spec. in Italia boreali – Asci cylindracei, 100–120 × 4; sporidiorum articuli innumeri, minutissimi, spermatioidei.

C. Robertsii Hook. in Curr. Comp. Sph. p. 265 f. 26. In larva Hepiali virescentis – Asci cylindracei; sporidia bacillaria, in articulos cylindricos secedentia, hyalina.

C. Wallaysii West., Kx Fl. I. 315. In larva insecti cujusdam in Belgia – Asci cylindraceo-clavati, 80–90 lgi. Sporidia capillaria, recta v. flexuosa 30–40 micr. lga, hyalina.

C. bicephala Bk. in Hook Journ. 1856, 278. Rionegro.

C. falcata Bk. in Hook. Journ. 1854 t. 8 f. 2. Himalaya.

C. racemosa Bk. in Hook. Journ. 1854 t. 8 f. 3. Himalaya.

C. acicularis Bk. in Act. Soc. Linn. 1856 I. tab. I. In larvis.

C. flavella B. & C. Cub. F. n. 748. In quodam Sclerotio inter folia, Cuba – Asci angustissimi.

C. caloceroides B. & C. Cub. F. n. 749. Ad terram, Cuba. (Nucleus indescriptus).

C. sphecocephala (Kl.) B. & C. Cub. F. n. 751. Torrubia sphecocephala Tul. Carp. III. p. 16. In Vespis,

in Jamaica – Asci longissime filiformes; sporidiorum articuli brevissimi, ovato-lineares.

C. **pistillariæformis** B. & Br. Ann. Mg. n. h. 1861. VII. p. 451. Torrubia pistill. Cooke Hndb. 771. In ramis Ulmi ex Sclerotio in Anglia. Nucleus indescriptus – An Claviceps?

C. **palustris** Bk. in Act. Soc. Linn. 1856 I. t. I. In larvis Amer.

C. **Ravenelii** Bk. in Act. Soc. Linn. 1856 I. t. I. In larvis Ancylonychæ Americæ borealis.

C. **Sinclairii** Bk. Introd. to bot. crypt. I. 73.

C. **stylophora** Bk. Act. Soc. Linn. 1856 I. t. I. In larvis in Amer. boreali.

C. **armeniaca** Bk. in Act. Soc. Linn. 1856 I. t. I. In larvis Amer. bor.

C. **carolinensis** Rav. F. Carol. IV. 29. In Carolina.

25. **EPICHLOE** Fr. (ut subg.) Summa 381. Stroma sessile effusum, primitus conidiophorum. Perithecia immersa, ostiolis vix prominulis – Asci octospori. Sporidia filiformia pluriseptata, luteolo-hyalina.

E. **typhina** (Pers.) Tul. Carp. III 24. In vaginis vivis Phlei pratensis et Dactylidis glomeratæ – Asci lanceolato-lineares, 152 × 8, stipite incrassato; sporidia prælonga, cylindracea, in articulos continuos multiguttulatos, 38 × 2, hyalinos secedentia.

E. **Pulvinulus** B. & Br. F. Ceyl. n. 981. In speciebus Panici in Ceylon – Asci lineares, flexuosi; sporidiorum articuli breves.

E. **cinerea** B. & Br. F. Ceyl. n. 982. In Eragrostide nutante in Ceylon – Asci . . .; sporidia longa, filiformia.

E. **strangulans** (Mtgn.) Sacc. Cordyceps strangulans Mtgn. Syll. 200. Ad culmos Paspali, Cayenna – Asci longissimi, cellula pellucida coronati; sporidia linearia, in segmenta secedentia.

26. **HYPOCRELLA** Sacc. Stroma et perithecia Hypocreæ – Asci octospori (?) sporidia filiformia.

H. **discoidea** (B. & Br.) Hypocrea disc. B. & Br. F.

Ceyl. n. 998. In foliis Zingiberis in Ceylon – Asci clavati; sporidia filiformia, obscure multinucleata, 100 micr. lga.

H. Bambusæ (B. & Br.) Hypocrea Bambusæ B. & Br. F. Ceyl. n. 999. In inflorescentia Bambusæ in Ceylon – Asci lineares apice capitellati; sporidia filiformia.

H. atramentosa (B. & C.) Hypocrea atramentosa B. & C. Cub. F. n. 758. In foliis Andropogonis Cuba – Asci . . . .; sporidia filiformia.

H. semiamplexa (Berk) Cfr. Cub. Fungi n. 758. *Sphæria Cyperacearum* Schw. Herb. sec. Berk. In Cyperaceis in Surinam – Asci . . . .; sporidia filiformia.

++ **Simplices.**

27. **OPHIONECTRIA** Sacc. Perithecia Nectriæ – Asci octospori. Sporidia filiformia multiseptata v. multiguttulata.

O. trichospora (B. & Br.) Sacc. Nectria trichospora B. & Br. F. Ceyl. n. 1014 p. 115.

Hab. in Ceylon.

Char. Perithecia ovata, elongata, aspera, coccinea; asci clavati; sporidia filiformia longissima, multiseptata, 215 micr. lga.

O. mellina (Mtgn.) Sacc. Nectria mellina Mtgn. Syll. 225.

Hab. in ramulis dejectis apud Mustapha Algeriæ.

Char. Sparsa v. gregaria suberumpens; perithecia sphærico-depressa, pomiformia e pallide miniato tandem mellina, ostiolo impresso papillata. Asci clavati. Sporidia acicularia, polysticha, multiseptata.

O. paludosa (Cr.) Sacc. Nectria paludosa Cr. Finist. 38.

Hab. in basi caulium Rubi et Cirsii palustris putridarum in Gallia.

Char. Perithecia $^1/_2$ mill. diam. albo-carnea, ovoidea, reticulato-contexta – Asci cylindracei, dehiscentes, 8spori. Sporidia filiformia, prælonga, multiguttulata.

28. **BARYA** Fckl. Symb. 93. Perithecia carnosa subdiaphana, demum cornea, conica acuta, hyphulis conidiophoris insidentia. Conidia oblonga, 1–septata, hyalina – Asci 8spori. Sporidia bacillaria, continua, hyalina.

B. parasitica Fckl. Symb. 93 (inter Acrospermaceos). In Bertia moriformi parasitica – Asci fusoidei, globuloso-stipitati 146 × 8; sporidia filiformia, continua ascos æquantia. Mycelium conidiophorum: conidia oblonga 1–septata.

29. **OOMYCES** B. & Br. Ann. N. H. n. 590 (1851). Perithecia (pauca) sacculo communi (carneo) inclusa, verticalia – Asci lineares; sporidia octona filiformia, continua, hyalina.

O. carneo-albus (Lib.) B. & Br., Cooke Hndb. 780. In foliis Airæ cæspitosæ in Anglia, Germania, Gallia – Asci et sporidia ut supra.

Sec. cl. DNtrs in Comm. Critt. ital. II 314 species hæc nec non *O.* (Schmitzomia?) *insignis* DNtrs l. c. in ramis Populi tremulæ (Valsesia) aptius ad Stictideas inter Discomycetes referenda est – In *O. insigni* adsunt asci elongati tortuosi, copiosissimi; sporidia filiformia ascum æquantia, pluriarticulata, flavida.

Clar. Fuckel *O. carneo-album* inter Acrospermaceas collocat.

Sect. 6, **Dictyosporæ** Sacc.

Sporidia ovoidea v. suboblonga, septato-muriformia, hyalina.

+ Superficiales, simplices v. cæspitosæ.

30. **PLEONECTRIA** Sacc. F. Ven. novi ser. V. 178. Perithecia Nectriæ – Asci octospori; sporidia matura, pluriseptato-muriformia, hyalina, sæpius spermatiis (?) intermixta.

P. Lamyi (Dmz.) Sacc. M. V. n. 688 et F. ven. l. c. Sphæria Lamyi Dmz. In ramis emortuis Berberidis vulgaris in Italia, Gallia, Germania, Anglia &c. – Asci clavati 90 × 100 × 15–16; sporidia ovato-oblonga, 18–26 5 ½–6, 3–5–septato-muriformia, hyalina.

P. Berolinensis Sacc. Michelia II. 123. *Nectria Ribis* Niessl. non Rabh. In ramis emortuis *Ribis aurei* (?) in Germania – Asci cylindracei, 90–100 × 10; sporidia ovato-oblonga, 18–20 × 8, 7–septato-muriformia, guttulata, hyalina.

P. lichenicola (Cr.) Sacc. Nectria lichenicola Cr. Finist. 256. In thallo lichenum in Gallia – Asci oblongi dehiscentes; sporidia subfusoidea, utrinque acute attenuata, merenchymatica (muriformia).

Obs. Sphærostilbe pseudotrichia (Schw) B. & Br. F. Ceyl. n. 1004 ob sporidia cellulosa ad *Pleonectriam* forte pertinet.

++ **Stromaticæ, immersæ.**

31. **THYRONECTRIA** Sacc. in Grevill. IV. 21. Stroma valseum corticale tectum vix erumpens. Perithecia monosticha, carnosula, rosea, extus flavo-furfuracea, ostiolis brevissimis – Asci octospori, paraphysati. Sporidia oblonga, initio cribrose guttulata dein tenuiter septato-muriformia, hyalina – Spermatia nota.

T. Patavina Sacc. F. Ven. novi ser. IV. 23 et F. ital. tab. 153. In ramis Juglandis regiæ in Italia – Asci cylindraceo-clavati, 80–90 × 12, paraphysati; sporidia ovato-oblonga, sæpius curvula 25 × 9–11, raro 30 × 8, 7–8-septato-muriformia, guttulata, hyalina.

T. pyrrochlora (Awd.) Sacc. Nectria pyrrochlora Awd. in Hedw. 1869 p. 88. In ramis corticis Aceris campestris – Asci tubulosi; sporidia ovalia, muriformi-polyblasta, 18 × 9, hyalina.

FUNGI ITALICI autographice delineati a prof. P. A. SACCARDO. Patavii 1878.-Fascicoli V.-VIII. sistentes tab. 161-320.

COMMENTARIUM

(Cfr. «Michelia» I. p. 73).

Obs. Numeri progressionem tabularum indicant.

161. **Anthostoma alpigenum** (Fckl.) Sacc. Fung. Ven. nov. v. crit. ser. IV. 18. Mycotheca Ven. n. 238.

162. **Anthostoma Xylostei** (Pers.) Sacc. Mycoth. Ven. n. 227. Fungi Ven. ser. IV. 18. – *Obs.* Hæc species et præcedens inter genera Anthostoma & Anthotomellam ambigunt.

163. **Anthostoma Schmidtii** (Awd.) Nke. Sacc. F. V. ser. IV. p. 18. Mycoth. Ven. n. 225.

164. **Anthostoma Schmidtii** (Awd.) Nke. ***A. melanotes** (B. et Br. sub Sphæria).

Hab. in ramis decorticatis, rarius corticatis Rhamni cathartici & Fraxini Orni *a Selva*, Aut. 1873.

Obs. A forma typica præcipue differt ascis brevioribus crassioribus, 70–80 × $6^1/_2$, sporidiisque crassioribus, 12–14 × 5–6, pariter fuligineis.

165. **Anthostoma italicum** Sacc. et Sp. Stromate superficiale hinc inde varie effuso, nigricante; perithecciis gregariis cauli decorticato immerso-prominulis, globoso-depressis, $^1/_3$–$^1/_2$ mill. diam., papillulatis, nigris; ascis cylindraceis, 80–100 × 8–10, breve stipitatis, apice obtusis, lumineque sub-trifoveolato, paraphysibus filiformibus obvallatis, octosporis; sporidiis ovato-oblongis, 25 × 7–8, curvulis, 2-(raro 1-) guttulatis, utrinque brevissime hyalino-apiculatis, fuligineis.

Hab. in caulibus herbarum majorum putrescentibus *a Conegliano*, Febr. 1877.

166. **Anthostoma urophorum** Sacc. et Sp. Stromate superficiale in lignum breve penetrante, albicante, perithecia singula v. pauca ambiente, subcirculare, minuto; peritheciis ligno immersis, globulosis, $^3/_4$ mill. diam. nigris, ostiolo breve papillato parum emergente; ascis cylindraceis, 100–110 × 8, breve stipitatis, apice, lumine integro, obtusis, paraphysibus guttulatis obvallatis, octosporis; sporidiis oblongo-ovoideis, 15–22 × 5–6 $^1/_2$, utrinque acutiusculis, 2-guttulatis, fuligineis, basi apiculo hyalino, raro sub-lobulato auctis.

Hab. in ligno decorticato (Ulmi?) putrescente *a Conegliano* vere, 1877, rarissime.

167. **Anthostoma decipiens** (DC.) Nke, Sacc. Mycol. Ven. Specimen pag. 142.

Obs. Nascitur, præterquam in Carpino, et in Acere campestri.

168. **Anthostoma turgidum** (Pers.) Nke, Sacc. Fungi Ven. Ser. IV. 18.

Obs. Asci cylindrici, breve stipitati, apice obtusi, 100–115 × 6–7, paraphysibus guttulatis obvallati, octospori. Sporidia oblongo-ellipsoidea, utrinque rotundata, 10–12 × 6–7, fuliginea.

169. **Anthostoma gastrinum** (Fr.) Sacc. Mycol. Ven. Spec. 143 et Fungi Ven. Ser. IV. 18.

Obs. Asci 85–100 × 5; sporidia 10–12 × 4 $^1/_2$–5 in utraque forma.

A. forma Ulmi campestris (*Treviso, Padova*).
B. forma Carpini Betuli (*Padova*).

170. **Anthostoma gastrinum** (Fr.) Sacc. A. forma **Rhamni cathartici** (*Selva*) – B. forma **Quercus pedunculatæ** (*Montello*).

Obs. In forma A: asci 130 × 5; sporidia 14–15 × 5. In forma B: asci 110 × 5; sporidia 8–9 × 4.

171. **Anthostoma tæniosporum** Sacc. Mycol. Ven. Spec. 143, tab. XIV. f. 47–51.

172. **Anthostomella intermedia** Sacc. *Anthostoma intermedium* Sacc. Fungi Ven. Ser. IV p. 18, vix Nke.

Peritheciis gregariis, cortice nidulantibus, globosis $^1/_2$ mill. diam., breve papillatis, epidermidem denique perforantibus, parum nigrificantibus; ascis cylindraceis breve stipitatis, apice rotundatis, 70–80 × 6, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis ovato-oblongis, 12–14 × 5, quandoque curvulis, minute 2–3-guttulatis, fuligineis.

Hab. in ramis corticatis putrescentibus Salicis vitellinæ *a Selva,* Aut. 1873.

173. **Anthostomella delitescens** (DNtrs.) Sacc. *Sphæria delitescens* DNtrs. Microm. ital. Dec. VIII. n. 9. ***A. nobilis** Sacc. & Sp.

Hab. in ramis corticatis Lauri nobilis putrescentibus, a Conegliano, Nov. 1876.

Obs. Asci cylindracei, breve stipitati, p. s. 90 × 8, octospori, paraphysibus filiformibus guttulatis obvallati; sporidia oblongo-ovoidea, 15–16 × 6–7. Perithecia stromate vix ullo excepta, globosa, papillulata, $^1/_3$–$^1/_2$ mill. diam.

174. **Anthostomella appendiculosa** (B. et Br.) Sacc. M. V. n. 1190. Michelia II. 244.

175. **Anthostomella Unedonis** (DNtrs) Sacc. *Sphæria Unedonis* DNtrs. Microm. ital. Dec. X. n. b.

Hab. in truncis corticatis emortuis Arbuti Unedonis *a Genova allo Scoglietto* (herb. DNtrs).

Obs. Asci crasse cylindracei, apice obtusi, 150 × 12–14, stipite 25 micr. lgo, paraphysibus filiformibus guttulatis asco longioribus obvallati, octospori. Sporidia oblonga utrinque rotundata, 25 × 12, recta, 1-guttulata, fuliginea, initio strato hyalino exiguo cincta. Perithecia valde compressa.

176. **Anthostomella Olearum** Sacc. & Sp., Michelia I. 25.

177. **Anthostomella rostrispora** (Ger.) Sacc., Michelia I. 25.

178. **Anthostomella italica** Sacc. & Sp. Peritheciis gregariis foliorum parenchymate immersis, epidermide vix perforata et circum circa breve nigrificata velatis, globoso-depressis, $^1/_5$ mill. diam., brevissime papillatis;

ascis cylindraceis, breve stipitatis, 80–90 × 10, paraphysibus (spuriis?) crassiusculis, pluriguttulatis, obvallatis, octosporis; sporidiis oblique monostichis, obovatis, curvulis, 18–22 × 6–7, 2–guttatis, fuligineis, cauda hyalina $1^1/_2$–2 obtusiuscula basi auctis.

Hab. in foliis putrescentibus Sacchari stricti nostratis, nec non Bambusæ cultæ *a Susegana*, Aut. 1877.

179. **Apiospora Punctum** Sacc. & Sp. Mycoth. Ven. n. 1268. Peritheciis gregariis, distinctis, foliorum parenchymate immersis, epidermide circum circa brevissime nigrificata velatis, breve obtuse papillulatis; contextu perithecii parenchymatico fuligineo; ascis cylindraceo-clavatis, 80 × 18, breve oblique stipitatis, apice rotundatis, lumine apice paulum coarctato, paraphysibus filiformibus guttulatis, obvallatis, octosporis; sporidiis oblique monostichis v. distichis, oblongo–clavatis, deorsum attenuato–curvulis, prope basim (spurie?) 1–septatis, inæqualiter 2–nucleatis, hyalinis.

Hab. in foliis putrescentibus Moliniæ et Dactylis *a Conegliano*, Majo 1877.

Obs. Ab *Ap. Striola* (Pass.) peritheciis subsolitariis, nec stromate lineari–connexis, sporidiis crassioribus etc. differt.

180. **Apiospora Striola** (Pass.) Sacc. Fungi Ven. Ser. II. 305. Mycoth. Ven. n. 907.

181. **Lisea nemorosa** Sacc. Michelia I. 42.

182.? **Physalospora Corni** Sacc. *Botryosphæria Corni* Sacc. Fungi Ven. Ser. IV. 4 (non *Sphæria Corni* Sow.). Peritheciis cortice nidulantibus, gregariis epidermide pustulatim tumidula, denique disrupta, velatis, globulosis, $^1/_3$–$^1/_2$ mill., papillatis, nigris; ascis cylindraceo-clavatis 70–80 × 12, deorsum attenuatis, apice rotundatis, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis oblique monostichis v. distichis, oblongis v. subfusoideis, utrinque obtusiusculis, 18 × 5, curvulis, 1–2–guttatis, hyalinis.

Hab. in ramulis Corni sanguineæ putrescentibus *a Selva* Sept. 1873, raro.

Obs. A *Sph. Corni* Sow. sec. descrip. Cook. & Curr. &c omnino diversa est.

183. **Ceratostoma graphioides** Sacc. Michelia II, 246. Mycoth. Ven. n. 1264.

184. **Ceratostoma Jani-collinum** Sacc. & Sp. Michelia II. 246.

185. **Ceratostoma Notarisii** Sacc. Fungi Ven. Ser. II. 308.

186. **Ceratostoma caulicola** Fckl. ***C. culmicola** Sacc. Fungi Ven. Ser. V. 175.

187. **Ceriospora Dubyi** Niessl, Sacc. Michelia I. 36.

188. **Ceriospora xantha** Sacc. Michelia I. 36.

189. **Clypeosphæria Notarisii** Fckl. f. *Castaneæ vescæ* Sacc. Michelia I. 39.

190. **Chætosphæria parvula** Sacc. Fungi Ven. Ser. IV. 3.

191. **Chætosphæria fusca** Fckl., Sacc. Fungi Ven. Ser. IV. pag. 3.

192. **Cladotrichum polysporum** Cda. Sacc. Mycoth. Ven. n. 659. Status conid. *Chætosphæriæ fuscæ* Fckl.

193. **Calonectria Massariæ** (Pass.) Sacc. Michelia II. 251 n. 46 ex errore sub *Calonectriæ pyrrochloræ* nom., quæ contra *Thyronectriæ* species est, valde affinis *Thyronectriæ Patavinæ* Sacc. Fung. ital. tab. 153.

Hab. in ostiolis Massariæ inquinantis ad ramulos Aceris campestris, *a Conegliano*, Martio 1877.

194. **Calolectria minuscula** Sacc. & Sp. Michelia II. 251.

195. **Calonectria ochraceo-pallida** (B & Br.) Sacc. Fungi Ven. Ser. IV. p. 23.

196. **Calonectria Bloxami** (B. & Br.) Sacc. Fungi Ven. Ser. IV. p. 23.

197. **Calonectria macrospora** Sacc. & Sp. Michelia II. 251.

198. **Cesatiella australis** Sacc. & Sp. Michelia II. 250.

199. **Nectriella Rousseliana** (Mtgn.) Sacc. Michelia I. pag. 51.

200. **Hyponectria Buxi.** (DC.) Sacc. Michelia II. 250.

201. **Caryospora putaminum** (Schw.) DNtrs, Sacc. Fungi Veneti Ser. III. pag. 8.
202. **Caryospora callicarpa** (Curr.) Nke, Sacc. Fungi Ven. Ser. III. pag. 8.
203. **Caryospora Lichenopsis** (Mass.) Sacc. Fungi Ven. Ser. V. 178. Mycoth. Ven. n. 684.
204. **Caryospora Olearum** (Cast.) Sacc. Fungi Ven. Ser. III. 8. Mycotheca Ven. n. 1271.
205. **Ditopella Vizeana** Sacc. & Sp. Michelia II. 248. *Nectria caulina* Cooke F. Brit. ser. II. n. 479.
206. **Ditopella fusispora** DNtrs., Sacc. Michelia I. 31.
207. **Didymosphæria Cadubriæ** Sacc. Fungi Ven. Ser. II. pag. 324.
208. **Didymosphæria conoidea** Niessl Neue Kernp. I. 202. Cfr. Sacc. Fung. Ven. Ser, II. 314. Obs. II.
209. **Dothidea Hippophaëos** (Pass.) Fckl. Symb. Mycol. app. II. 40. *D. Sambuci* f. *Hippophaëos* Pass. in Erb. critt. ital. Ser. II. n. 98.

Hab. in ramulis Hipp. rhamnoidis *a Parma,* Apr. (Passerini) — *Obs.* Asci cylindraceo-clavati, deorsum breve attenuati, apice rotundati, 90–100 × 14, octospori. Sporidia fusoideo-clavulata, 25 × 6–7, constricto-1-septata, hyalina.

210. **Dothidea Berberidis** (Wahlbg.) Fr., Sacc. Mycoth. Ven. n. 235 et Fungi Ven. Ser. V. 182. – *Obs.* Asci clavati, 60 × 12, paraphysati, octospori; sporidia subrhombea, constricto-1-septata, 15–17 × 6, raro 18 × 7, quandoque curvula, hyalina.
211. **Dothidea insculpta** Wallr., Sacc. Myc. Ven. n. 649. Fungi Ven. Ser. V. 183. – *Obs.* Asci cylindracei brevissime attenuato-stipitati, 80–90 × 12, 8-spori; sporidia disticha, fusoidea, sæpe curvula utrinque attenuata, 18–20 × 4, leniter constricta, 1-septata, 4-guttulata, hyalina.
212. **Dothidea Sambuci** (Pers.) Fr. f. **moricola** Erb. critt. ital. n. 784., Sacc. Fungi Ven. Ser. V. 182.
213. **Dothidea Mezerei** Fr., Sacc. Mycoth. Ven. n. 647, non Mycol. Venet. Specimen p. 146 t. XIV. f. 61–62, quæ, præeunte clariss. Doct. Rehm, ad *Melanothecam*

arthonioidem Mass. pertinet – *Obs.* Asci cylindraceo-clavati, 60–75 × 12, apice obtusi, deorsum attenuati, paraphysibus crassis (spuriis?) obvallati, octospori. Sporidia fusoidea, leniter curva, 19–20 × 5, constricto-1-septata, hyalina, loculo superiore paulo crassiore; rarissime loculo uno alterove bipartito.

214. **Dothidea ribesia** (Pers.) Fr., Sacc. F. Ven. Ser. V. 182. – *Obs.* Asci cylindracei 70–80 × 12, aparaphysati, brevissime stipitati, octospori. Sporidia disticha, clavata, recta 1-septata, vix constricta 18 × 4, hyalina.

215. **Dothidea Sambuci** (Pers.) Fr. **D. Venziana** Sacc. Fungi Ven. Ser. V. 183.

216. **Dothidea tetraspora** B. & Br., Sacc. F. Ven. Ser. V. 182, et Michelia I. 53.

217. **Lasiosphæria minuta** Fckl., Sacc. Fung. Ven. Ser. II. 327.

218. **Lasiosphæria ambigua** Sacc. Michelia I. 46.

219. **Linospora Carpini** Schröt., Sacc. Michelia I. 45. Mycoth. Ven. n. 911.

220. **Linospora Magnagutiana** Sacc. Michelia II. 45.

221. **Lophiostoma hygrophilum** Sacc. Fungi Ven. Ser. III. p. 3.

222. **Lophiostoma quadrinucleatum** Karst., Sacc. Fungi Ven. Ser. III. 4.

223. **Lophiostoma Niessleanum** Sacc. Fungi Ven. Ser. III. pag. 3.

224. **Lophiostoma dumeti** Sacc. Fungi Ven. Ser. III. pag. 3.

225. **Lophiostoma intermedium** Sacc. sp. nov. Peritheciis cortice nidulantibus, lignoque insculptis, gregariis, globulosis, diam. $^1/_3$ mill., ostiolo emergente compresso, truncato; ascis clavatis breve stipitatis, 80 × 12, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis v. distichis, fusoideis, curvatis, 30–32 × $4^1/_2$–5, 7-septatis, loculo intermedio paulo crassiore, 8-guttulatis, olivaceis, utrinque apiculo acuto hyalino auctis.

Hab. in caulibus putrescentibus Labiatarum ma-

jorum, e g. Salviæ glutinosæ in sylva *Montello*, Sept. 1873.

Obs. Loph. insidioso (Dmz.), *L. Niessleano* Sacc. et *L. caulium*, (Fr.) affine, sed a primo sporidiis 7–septatis, ab altero sporidiis multo angustioribus, noduliferis, a postremo sporidiis apiculatis facile dignoscitur.

226. **Lophiostoma insidiosum** (Dmz.) Ces. & DNtrs, Sacc. Fungi Veneti novi v. critici Ser. III. p. 23. (forma XI).

227. **Lophiostoma simillimum** Karst. Myc. Fenn. II. 84. Sacc. Fungi Veneti Ser. III. p. 4. — *Obs.* Asci clavati breve stipitati, 90 × 14 paraphysati, octospori; sporidia fusoidea, curvula, 30 × 7–8, 5–septata, ad septa leniter constricta, 6–guttulata, fuliginea, utrinque apiculo hyalino 5–6 micr. lgo aucta.

228. **Lophiostoma perversum** DNtrs, Sacc. Fungi Ven. Ser. III p. 4.

Obs. Perithecia ligno superficie denigrato immersa globosa $^1/_3$ mill., ostiolo compresso, truncato, latiusculo. Asci clavati, breve stipitati, paraphysati, 80 × 12–14, octospori; sporidia cylindracea, utrinque breve attenuata, 25–28 × 4 $^1/_2$–5, curvula, 5–septata, ad septa leniter constricta, fuliginea.

229. **Lophiostoma curtum** (Fr.) DNtrs Schema Sfer. ital. in Comment. crittog. I. p. 219.

Hab. ad ligna putrescentia *a Maccarese* prope Romam, 1874. (C. Bagnis).

Obs. Asci cylindrici, brevissime stipitati, 120–130 × 12, paraphysati, octospori; sporidia fusoideo-biconica, 28–30 × 10–12, 7–9-septato-muriformia, ad septum medium constricta, fuliginea.

230. **Lophiostoma gregarium** Fckl., Sacc. Fungi Ven. Ser. V. 177.

231. **Lophiostoma pachysporum** Sacc. Michelia II 249. Mycoth. Ven. n. 1157 (In tabula epitheton « *brachysporum* » pro « *pachysporum* » ex errore calami inscriptum est).

232. **Lophiostoma nobile** Sacc. sp. nova. Peritheciis

gregariis cortice nidulantibus, globosis, $^1/_2$–$^3/_4$ mill. diam., nigris; ostiolo compresso truncato integro, emergente; ascis cylindraceo–clavatis breve stipitatis, p. sporif., 70–80 × 15, paraphysatis, octosporis; sporidiis oblique monostichis v. distichis, oblongo–fusoideis, 20–25 × 8–9, quandoque curvulis, 7–septato–muriformibus, ad septa leniter constrictis, fuligineis.

Hab. in ramis corticatis Lauri nobilis *a Vittorio*, Oct. 1877, raro.

Obs. Affine *Lophiostomati compresso* (P.) DNtrs (Sacc. F. ital. tab. 233) a quo sporidiis constanter 7–septatis differt.

233. **Lophiostoma compressum** (Pers.) DNtrs Sacc. Mycol. Ven. Spec. p. 210. – *Obs.* Asci clavati, breve stipitati, 110–115 × 16–18, paraphysati octospori; sporidia disticha oblonga fusoidea, sæpe curvula, 25 × 10, 5–septato–muriformia, fuliginea.

234. **Lophiostoma compressum** (Pers.) DNtrs **L. pseudomacrostomum** Sacc., Spegazz. Ampelom. ital. n. 31. *L. macrostomum* Plur. auct.–*Obs.* Asci cylindraceo–clavati, breve stipitati, 110–115 × 14, paraphysati, octospori; sporidia disticha v. oblique monosticha, fusoidea, 28–30 × 8–10, recta v. curvula, 5–septata, 6–guttulata, fuliginea (rarissime septo unico longitudinali).

235. **Lophiostoma macrostomum** (Tode) Ces. & DNtrs, Fckl. Symb. 157–Cooke Hndb. n. 2537, non Plur. auctor. – *Obs.* Asci cylindraceo-clavati, 90 – 110 × 15–18, breve stipitati, paraphysati, octospori; sporidia inordinate disticha, fusoidea utrinque attenuata, sæpe curvula, 6–locularia, 6–guttulata, fuliginea, loculis extimis pallidioribus.

236. **Lophiostoma macrostomoides** DNtrs, Sacc. Fungi Ven. Ser. III. 4. Asci cylindracei, apice obtusi, basi breve attenuati, paraphysati, octospori; sporidia disticha, oblongo-cylindracea, utrinque rotundata, 5–septata, 6–nucleata, dilute fuliginea.

237. **Lophiostoma quadrinucleatum** Karst. **L. rhopaloides** Sacc. Michelia, I. 43.

238. **Lophiostoma angustilabrum** B. & Br., Sacc. Mycol. Ven. Spec. 110.

239. **Lophiostoma vicinum** Sacc. Michelia I. 44.

240. **Lophiostoma vicinellum** Sacc. nov. spec. Perithecciis gregariis ligno immersis, majusculis, $^2/_3$–$^3/_4$ mill. diam., nigris, globosis, ostiolo compresso obtuso, emergente, integro; ascis clavato-cylindraceis, deorsum attenuatis, apice obtusis, paraphysibus filiformibus obvallatis octosporis; sporidiis distichis fusoideis, utrinque attenuatis minuteque appendiculatis, curvis, constricto-1-septatis, minute varie guttulatis, fuligineis (rarissime loculis spurie 1-septatis).

Hab. in ligno abietino putrescente *a Gratz* (Styria). Oct. 1873. Ex herb. P. Magnus.

241. **Lophiostoma excipuliforme** (Fr.) DNtrs, Sacc. Michelia I. 43.

242. **Lophiostoma Balsamianum** DNtrs, Sacc. Mycol. Venetæ Specimen p. 110., Mycoth. Ven. n. 778 et 1156.

243. **Lophiostoma subcorticale** Fckl., Sacc. Fungi Ven. Ser. III. p. 4.–*Obs.* Asci clavati, paraphysati, octospori, 110 × 14, p. sporif. 90 lg. Sporidia disticha elongato-fusoidea curva, constricto-1-septata, 6-guttulata, hyalina, 35–40 × 7. Rarissime extra ascum occurrunt sporidia fuscidula 3–4-septata, sed talia senio potius quam maturitate evadere censeo, et tunc abnormia habenda.

244. **Lophiostoma subcorticale** Fckl. ***L. viticola** Sacc. Perithecciis gregariis, globosis, $^3/_4$ mill. diam.. ligno immersis, ostiolo compresso, truncato, emergente; ascis clavatis, paraphysatis, 120 × 13–15, octosporis; sporidiis distichis, fusoideo-biconicis, curvulis, 28–32 × 7–8, constricto-1-septatis, 4-guttulatis, hyalinis (rarissime [senio?] dilute fuligineis, 3-septatis).

Hab. in ligno decorticato Vitis viniferæ *a Padova*, Apr. 1875.

245. **Lophiostoma semiliberum** (Dmz.) Ces. & DNtrs, Sacc. Mycol. Ven. Specimen p. 111., Mycoth. Ven. n. 678.

246. **Lophiostoma vagabundum** Sacc. Fungi Ven. Ser. III. p. 2. Mycoth. Ven. n. 921.

247. **Lophiostoma pygmæum** Sacc. Fung. Ven. Ser. III. pag. 2.

248. **Lophiostoma alpigenum** Fckl., Sacc. Fungi Ven. Ser. III. p. 4. et Mycol. Ven. Specim. p. 111.

249. **Lophiostoma Nucula** (Fr.) Ces. & DNtrs., Sacc. Mycol. Ven. Specim. 111. – *Obs.* Asci crasse cylindracei, 100 = 15–17, apice rotundati, deorsum breve attenuati, paraphysati, octospori; sporidia disticha cylindracea, utrinque obtuse attenuata, curvula, 24–30 = 7–9, 4–nucleata, 3-septata, hyalina.

250. **Lophiostoma auctum** Sacc. Mycol. Ven. Specimen p. 110. Fungi Ven. Novi Ser. III. p. 4.

251. **Lophiostoma anaxæum** Sacc. Fungi Ven. Ser. III. p. 1.

252. **Lophiostoma perpusillum** Sacc. Michelia 1. p. 43.

253. **Lophiostoma præmorsum** (Lasch) Fckl., Sacc. Mycol. Ven. Specimen 111. *L. Jerdoni* B. & Br., Cooke Hndb. 851.

254. **Lophiostoma Fuckelii** Sacc. *L. diminuens* Fckl Symb. Mycol. p. 156. Sacc. Fungi Ven. Ser. III. 4, non Fr. (sec. DNtrs), an Persoon? – *Obs.* Asci clavati, breve stipitati, paraphysati, octospori, 55–60 = 8; sporidia disticha v. oblique monosticha, fusoideo–biconica, curvula, 4–guttulata, hyalina utrinque apiculis acutis ornata.

255. **Lophiostoma pulveraceum** Sacc. nov. spec. Peritheciis gregariis ligno penitus v. semi-immersis, globulosis, $^1/_4$–$^1/_5$ mill. ostiolo compresso, truncato, emergente; ascis clavatis brevissime stipitatis, 80 = 10–12, apice rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis, fusoideo–biconicis 18–20 = 4 $^1/_2$–5 curvulis, constricto–1–septatis, 4–guttulatis, hyalinis, utrinque appendiculis brevibus, acutis præditis.

Hab. in ligno quercino putrescente *a Selva*, Aug. 1876.

256. **Lophiostoma duplex** Karst. Mycol. Fenn. II. 86. *Hab.* in ramis decorticatis Coryli et Rhamni cathartici *a Conegliano,* vere 1877 – *Obs.* Asci cylindracei breve stipitati, paraphysati, 120 × 9–10, octospori; sporidia fusoidea, curvula, 4-guttulata, dein 3-septata, 22–25 × 4–5½, hyalina.

Generis *Lophiostomatis* species, etsi inter se habitu externo exacte conveniant, sporidiis, ut notum est, inter se ita variis utuntur, ut (ad ceterorum pyrenomycetum delimitationis normam) in nonnulla genera merito dividi posse videantur. Tunc *Lophiostomati* generi dignitas familiæ jure meritoque tribuenda esset. Ecce novæ familiæ dispositionis tentamen.

Lophiostomaceæ Sacc. (nec Fckl.)

Perithecia carbonacea v. membranaceo-carbonacea, nigra, ostiolo compresso, rimose dehiscente.

Sect. 1. **Phæosporæ** Sacc.

Sporidia continua, ovoidea v. navicularia, fusca.

1. **Lophiella** Sacc.

Perithecia Lophiostomatis. Asci octospori. Sporidia navicularia, fusca.

L. cristata (Pers.) Sacc. Sphæria cristata Pers. Lophium cristatum Crouan Finist. p. 29.

Sect. 2. **Didymosporæ** Sacc.

Sporidia bilocularia, ovoidea v. oblonga, fusca.

2. **Schizostoma** Ces. etc. DNtrs (charact. sectionis).

S. Montagnei Ces. & DNtrs. Sphæria schizostoma Mtgn. Syll. Cryptag. p. 231.
S. montellicum Sacc. Cfr. Sacc. F. ital. n. 146.
S. vicinum Sacc. Cfr. Sacc. F. ital. n. 239.
S. vicinellum Sacc. Cfr. Sacc. F. ital. n. 240.

S. pachythele (B. & Br.) Sacc. Sphæria pachythele B. & Br. Ceyl. F. n. 1109.

Sect. 3. **Phragmosporæ** Sacc.

Sporidia oblonga v. fusoidea, 2-pluriseptata.

A. **Hyalophragmiæ**: sporidiis hyalinis.

3. **Lophiotrema** Sacc. (charact. sectionis).

*** Sporidia mutica.**

L. alpigenum (Fckl) Cfr. Sacc. F. ital. n. 248.
L. Thuemenianum (Speg.) Cfr. Speg. Ampel. ital. n. 33.
L. pygmæum Sacc. Cfr. Sacc. F. ital. n. 247.
L. sexnucleatum (Cooke) Cfr. Cooke IIndb. p. 850.
L. crenatum (Fr.) Cfr. Karst. Fenn. II. 86.
L. semiliberum (Dmz.) Cfr. Sacc. F. ital. n. 245.
L. vagabundum Sacc. Cfr. Sacc. F. ital. n. 246.
L. subcorticale (Fckl.) Cfr. Sacc. F. ital. n. 243.
L. viticola Sacc. Cfr. Sacc. F. ital. n. 244.
L. Nucula (Fr.) Cfr. Sacc. F. ital. n. 249.
L. duplex (Karst.) Cfr. Sacc. F. ital. n. 256.
L. Hederæ (Fckl.) Cfr. Fckl. Symb. mycol. 157.
L. myriocarpum (Fckl.) Cfr. Fckl. Symb. mycol. 156.
L. pusillum (Fckl.) Cfr. Fckl. Symb. mycol. App. II. p. 29.
L. Sedi (Fckl.) Cfr. Fckl. Symb. mycol. 155.
L. perpusillum Sacc. Cfr. Sacc. F. ital. n. 252.
L. nuculinum Rehm. Augsb. Pilzfl. p. 80 sub *Lophiost.*

**** Sporidia appendiculata.**

L. auctum Sacc. Cfr. Sacc. F. ital. n. 250.
L. Anaxæum Sacc. Cfr. Sacc. F. ital. n. 251.
L. præmorsum (Lasch) Cfr. Sacc. F. ital. n. 253.
L. Fuckelii Sacc. Cfr. Sacc. F. ital. n. 254.
L. pulveraceum Sacc. Cfr. Sacc. F. ital. n. 255.
L. angustilabrum (B. & Br.) Cfr. Sacc. F. ital. n. 238.

Obs. L. subcorticale, L. viticola, L. vagabundum, L. angustilabrum præbent rarissime sporidia nonnulla (extra ascos) dilute fuliginea,

sed talia, ut monui, senio potius quam maturitate provenire videntur, et tunc abnormia.

B. **Phæophragmiæ**: sporidiis fuscis.

4. **Lophiostoma** Ces. et DNtrs. (s. strictiore).

* **Sporidia mutica.**

L. Crista-Galli DR. Mtgn. Cfr. Mtgn. Syll. p. 231.
L. microstomum Cooke & Ellis (non Niesslii, quod = L. caulium [Fr.]) Cfr. Grevill. IV. 176.
L. perversum DNtrs. Cfr. Sacc. F. ital. n. 228.
L. macrostomum (Tode) Ces. & DNtrs. Cfr. Sacc. F. ital. n. 235.
L. macrostomoides DNtrs. Cfr. Sacc. F. ital. n. 236.
L. excipuliforme (Fr.) DNtrs. Cfr. Sacc. F. ital. n. 241.
L. Balsamianum DNtrs. Cfr. Sacc. F. ital. n. 242.
L. dolabriforme DNtrs. Cfr. DNtrs. Sfer. ital. n. 69. Lophium Notarisii *Crouan.*
L. pileatum (Tode) Fckl. Cfr. Fckl. Symb. mycol. 158.
L. quadrinucleatum Karst. Cfr. Sacc. F. ital. n. 222.
L. rhopaloides Sacc. Cfr. Sacc. F. ital. n. 237.
L. dumeti Sacc. Cfr. Sacc. F. ital. n. 224.
L. insculptum Rehm Ascom. n. 289.
L. pseudomacrostomum Sacc. Cfr. Sacc. F. ital. n. 234.
L. caulium (Fr.) Ces. & DNtrs. Cfr. Niessl in Hedw. 1875. p. 21–24.
L. mendax DNtrs. Cfr. Schema Piren. Sfer. p. 219.
L. Arundinis (Fr.) Ces. & DNtrs. Schema Sfer. p. 220.
L. viridarium Cooke Hndb. p. 849.
L. fibritectum Berk. Cfr. Cooke Hndb. p. 850.
L. Ruborum Crouan Finist. p. 29.
L. cespitosum Fckl. Symb. mycol. App. II. p. 29.
L. absconditum Pass. in Nuovo Giorn. bot. ital. VII. p. 257.
L. rhizophilum (B. & C.) Sacc. Cfr. Grevill. IV. 143.
L. Pinastri Niessl Notiz üb. Pyrenom. p. 49. t. IV. f. 24.
L. granulosum Crouan Finist. p. 29.

** **Sporidia appendiculata.**

L. insidiosum (Dmz.) Ces. & DNtrs Cfr. Sacc. F. ital. n. 226.
L. Menthæ Kirchn. in Thüm. F. Austr. 1153 Cfr. et Fungi novi austr. p. 3.
L. Niessleanum Sacc. Cfr. Sacc. F. ital. n. 223.
L. intermedium Sacc. Cfr. Sacc. F. ital. n. 225.
L. simillimum Karst. Cfr. Sacc. F. ital. n. 227.
L. bicuspidatum Cooke Hndb. p. 848.

Sect. 4. **Dictyosporæ** Sacc.

Sporidia ovoidea v. oblonga, pluriseptato–muriformia, fusca.

5. **Lophidium** Sacc. (Charact. section.)

L. hygrophilum Sacc. Cfr. Sacc. F. ital. n. 221.
L. curtum (Fr.) Cfr. Sacc. F. ital. n. 229.
L. gregarium Fckl. Cfr. Sacc. F. ital. n. 230.
L. fenestrale (Cke & Ell.) Cfr. Grevill. 1877 pag. 12.
L. pachysporum Sacc. Cfr. Sacc. F. ital. n. 231.
L. nobile Sacc. Cfr. Sacc. F. ital. n. 232.
L. compressum (Pers.) Ces. & DNtrs. Cf. Sacc. F. ital. n. 233.
L. diminuens (Pers.) Ces. & DNtrs. Cfr. Schema Sfer. ital., non Fckl.
L. ramorum (Fckl.) Cfr. Fckl. Symb. 158.
L. fraudolentum DR. & Mtgn. Cfr. Mtgn. Syll. p. 231.
L. psilogrammum DR. & Mtgn. Cfr, Mtgn. Syll. p. 231.
L. graphidosporum (Anzi) Cfr. Anzi Analecta Lich. p. 27.

257. Leptosphæria Aegira Sacc. & Sp. Michelia 1. pag. 153.
258. Leptosphæria dryadea Sacc. Fungi Ven. Ser. II. pag. 311.
259. Leptosphæria Alcides Sacc. Fungi Ven. Ser. V. pag. 176.

260. **Leptosphæria Yulan** Sacc. Fungi Ven. Ser. II. pag. 312.

261. **Leptosphæria Lathonia** Sacc. Fungi Ven. Ser. II. p. 310.

262. **Leptosphæria marginalis** Sacc. Michelia II. p. 244. Mycoth. Ven. n. 1162.

263. **Leptosphæria Lucina** Sacc. Fungi Ven. Ser. II. p. 311.

264. **Leptosphæria nobilis** Sacc. Fungi Ven. Ser. II. p. 312.

265. **Leptosphæria Lucilla** Sacc. Fungi Ven. Ser. II. p. 310.

266. **Leptosphæria Pomona** Sacc. Fungi Ven. Ser. V. p. 176.

267. **Leptosphæria Aglaja** Sacc. Fungi Ven. Ser. II. p. 310.

268. **Leptosphæria Camilla** Sacc. Fungi Ven. Ser. II. p. 312.

269. **Leptosphæria carpogena** Sacc. Fungi Ven. Ser. II. p. 313.

270. **Leptosphæria carpophila** Sacc. Fungi Ven. Ser. II. p. 314.

271. **Leptosphæria bryophila** Sacc. Fungi Ven. Ser. II. p. 319.

272. **Leptosphæria Convallariæ** (Fckl.) Sacc. Fungi Ven. Ser. VI in Michelia I. 38.

273. **Leptosphæria hyalospora** Sacc. Fungi Ven. Ser. II. 323.

274. **Leptosphæria grandispora** Sacc. Peritheciis gregariis innate-erumpentibus, globulosis, $^1/_5$ mill. diam., vertice breve papillatis, nigris; ascis clavato-fusoideis apice obtusis basi breve crasso-stipitatis, 90 × 20, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis, fusoideis, 45 × 8–9, curvulis, utrinque acutiusculis, 9–10–septatis, 10–11–guttulatis, hyalinis.

Hab. in foliis putrescentibus Typhæ latifoliæ *a Colfosco* Sept. 1877, raro.

Obs. A *Leptosph. hyalospora* Sacc., cui affinis, sporidiis fere duplo majoribus recedit.

275. **Leptosphæria Micropogon** Sacc. Fungi Ven. Ser. II. p. 320.

276. **Leptosphæria arundinacea** (Sow.) Sacc. Fungi Ven. Ser. II. p. 320.

277. **Leptosphæria eustomoides** Sacc. Fungi Ven. Ser. II. p. 319.

278. **Leptosphæria amphibola** Sacc. Fungi Ven. Ser. II. p. 322.

279. **Leptosphæria Michotii** (West.) Sacc., *L. biseptata* Awd., *L. trimera* Sacc. Fungi Ven. Ser. II. 319.

280. **Leptosphæria hydrophila** Sacc. Fungi Ven. Ser. II. p. 320.

281. **Leptosphæria scotophila** Sacc. Fungi Ven. Ser. II. p. 317.

282. **Leptosphæria rupicola** Sacc. Fungi Ven. Ser. II. p. 317.

283. **Leptosphæria Aconiti** Sacc. Fungi Ven. Ser. II. p. 315.

284. **Leptosphæria obesa** (Dur. & Mtgn.) Sacc. Michelia I. p. 38.

285. **Leptosphæria spectabilis** Niessl. *L. Penicillus* Sacc. Fungi Ven. Ser. II. p. 316.

286. **Leptosphæria Castagnei** (Dur. & Mtgn.) Sacc. Fungi Ven. Ser. II. p. 317.

287. **Leptosphæria fuscella** (B. & Br.) Ces. & DNtrs, Sacc. Michelia I. 39.

288. **Leptosphæria corticola** (Fckl.) Sacc. *Hab.* in ramulis corticatis Loniceræ Caprifolii, æst. 1877, *a Conegliano* (Spegazzini).

Obs. Asci cylindrici breve crassiuscule stipitati 90–100 × 8, octospori, paraphysibus nullis (?). Sporidia monosticha ellipsoidea, v. suboblonga, 16–18 × 8, 3-septata, ad septum medium leviter constricta, hyalina,

289. **Leptosphæria Fiedleri** (Niessl) Sacc. Michelia I. pag. 39.

290. **Leptosphæria platycarpa** Sacc. nov. spec. Perithecis gregariis sublenticularibus, basi applanatis, breve papillatis, $^1/_5$ mill. latis, nigris, cortice nidulantibus, 80 × 10–11, dein suberumpentibus; ascis cylin-

draceo–clavatis, brevissime stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis, oblongis, curvulis, 20 × 6–6 $^1/_2$, utrinque acutiusculis, 3–septatis, ad septa leniter constrictis, minute pluriguttulatis, olivaceis.

Hab. in ramulis Corni sanguineæ putrescentibus, *a Conegliano*, Apr. 1876 (C. Spegazzini).

291. **Leptosphæria modesta** (Dmz.) Awd. (in tabula sub nom. *L. Passerinii* Sacc.), *L. setosa* Niessl Beitr. 28 t. III. f. 20 (ex ipso).

Obs. L. Passerinii mea certe eadem est ac *L. setosa* Niessl., quæ sec. ipsum auctorem est *L. modesta* (Dmz.). Tunc *Lept. modesta* mea (Michelia I. 37) sporidiis exappendiculatis gaudens aliena est. Ad hanc, ad interim, duco *L. Cibostii* Ces. & DNtrs, quæ ex ipsa icone DNtrs sporidia mutica fovens cum *L. modesta* vera conjungi nequit, etsi aliter judicet cl. Niessl.

292. **Leptosphæria rubicunda** Rehm, Sacc. F. Veneti, Ser. II. p. 315.

293. **Melanomma longicolle** Sacc. F. Ven. Ser. III. p. 5.

294. **Melanomma fuscidulum** Sacc. F. Ven. Ser. III. p. 5.

295. **Melanomma hispidulum** Sacc. F. Ven. Ser. III. p. 6.

296. **Melanomma Campi Silii** Sacc. F. Ven. Ser. III. p. 4.

397. **Melanomma Pulviscula** (Curr.) Sacc. Fungi Ven. Ser. III. p. 6.

298. **Melanomma fallax** Sacc. Michelia I. p. 41.

299. **Melanomma ? dubium** Sacc. F. Ven. Ser. III. p. 5.

300. **Melanomma? macrosporum** Sacc. F. Ven. Ser. III. p. 5.

Species generis *Melanommatis,* utpote quæ sporidiis varie formatis et coloratis donatæ, in sequentia genera aptius disponi possunt.

1. **Melanomma** Nke emend. Sporidia ovata v. oblonga pluriseptata, colorata.

M. Pulvis pyrius (Pers.) Fckl Symb. mycol. 159.
M. Aspegrenii (Fr.) Fckl Symb. mycol. 159.
M. conjugatum DNtrs, sub Sphæria. Sfer. ital. n. 64.
M. obducens DNtrs, sub Sphæria. Sfer. ital. n. 66, nec Fr.
M. Verrucaria DNtrs, sub Sphæria. Sfer. ital. n. 67, an Mtgn.?
M. Epochnii B. & Br., sub Sphæria. Cfr. Cooke IIndb. p. 865.
M. Jenysii B. & Br. sub Sphæria. Cfr. Cke Hndb. p. 870.
M. pœcilostomum B. & Br. sub Sphæria. Cfr. Cke IIndb. p. 870.
M. subsparsum Fckl. Symb. mycol. p. 160.
M. Heufleri Awd. sub Sphæria. Cfr. Hedwig. 1868 p. 183.
M. fuscidulum Sacc. F. ital. tab. 294.
M. longicolle Sacc. F. ital. tab. 293.
M. vile (Fr.) Fckl. Symb. mycol. p. 160
M. fissum Fckl. Symb. mycol. App. II. p. 30.
M. sparsum Fckl. Symb. mycol. App. II. p. 30.
M. Catillus Sacc. Mycol. Ven. Specimen p. 114 t. XI. f. 39–42.
M. Orni DNtrs. sub Sphæria, Microm. ital. Dec. VIII.
M. juniperinum Karst. sub Sphæria, Myc. Fenn. II. 89.
M. lonicerinum Karst. sub Sphæria, Mycol. Fenn. II. 89.
M. sanguinarium Karst. sub Sphæria, Mycol. Fenn. II 90.
M. Holmskjoeldii Karst. sub Sphæria, Mycol. Fenn. II. 91.
M. cinereum Fckl. Symb. mycol. 114, sub Sphæria.
M. disjectum Karst. sub Sphæria, Mycol. Fenn. II. 92.
M, pilosellum Karst. Pyren. novi Fenn. IX. p. 246 Sacc. F. Ven. Ser. III p. 6., Myc. Fenn. II p. 96.
M. hispidulum Sacc. Fungi ital. tab. 295.
M. circumclusum DNtrs sub Sphæria, Sfer. ital. n. 63.

M. Lenarsii West. sub Sphæria, Cfr. Hedwig. V. 173.
M. Rhododendri (Niessl.) Rehm Ascom. 284. Cucurbitaria Rhododendri Niessl. Beitr. p. 50 t. IV f. 32.
M. Rhodomelan Fr. sub Sphæria, S. M. II 445. Cfr. Hedwig. 1869 p. 88.
M. brachytele B. & Br. sub Sphæria. Cfr. Cke. Hndb. p. 871.
M. solutum Cke & Ell. sub Sphæria. Cfr. Grevill. 1876 pag. 54.

*Species vulgo majores, peritheciis remotioribus, basi ligno v. cortice insculptis, ostiolo denique latius hiante (*Trematosphæria* Fckl. p. p. *Lizonia* et *Caryospora* DNtrs p. p.).

M. pertusum Pers. sub Sphæria. Cfr. Cke Hndb.
M. pertusellum Sacc. Fungi Ven. Ser. III p. 7 sub Trematosphæria.
M. seminudum Fckl. sub Trematosph. Symb. Mycol. p. 162; nec DNtrs (quæ Teichospora) nec Niesslii Herb. (quæ Amphisphæria).
M. porphyrostomum Kze sub Sphæria, Fckl. sub Trematosphæria Symb. Mycol. App. I. 306.
M. decipiens DNtrs sub Lizonia Recl. Pir. in Comm. crittog. ital. II p. 482.
M. callisporum DNtrs Schema p. 221, sub Sphæria.
M. megalosporum DNtrs Schema p. 221, sub Sphæria.
M. buellioides Rehm in Augsb. Pilzfl. p. 78, sub Trematosphæria.
M. Lichenopsis Mass. sub Sphæria. Caryosp. Lichenopsis Sacc. F. ital. tab. 203.
M. Olearum Cast. sub Sphæria. – Caryosp. Olearum Sacc. F. ital. tab. 204.
M, melinum B. & Br. sub Sphæria, in Rath. Fungi Europæi n. 1835.

2. **Zignoella** Sacc. *) Sporidia ovata v. oblonga pluriseptata. v. pluriguttulata, hyalina. Cetera *Melanommatis.*

Z. rhytidodes B. & Br. sub Sphæria. Cfr. Cke Hndb. pag. 862.
Z. conica Fckl. sub Melanomm., Symb. Mycol. p. 160.
Z. Campi Silii Sacc. Cf. F. ital. tab. 296.
Z. aterrima Fckl. sub Melanomm. Symb. Mycol. App. I. 304.
Z. ordinata Fr. sub Sphæria. Cfr. Cke Hndb. p. 863.
Z. emergens Karst. sub Sphæria, Mycol. Fenn. II. 93.
Z. cariosa Cke & Ellis sub Sphæria, Grevillea 1878 pag. 94.
Z. atriella Cke & Ellis sub Sphæria, Grevillea 1878 pag. 94.
Z. Pulviscula Curr. sub Sphæria, Cfr. Sacc. F. Ven. ser. III. p. 6 & F. ital. tab. 297.
Z. ovoidea Fr. sub Sphæria. Cfr. Fckl. Symb. 159.
Z. collabens Curr. sub Sphæria. Cfr. Cke Hndb. p. 864.
Z. improvisa Karst. sub Sphæria, Mycol. Fenn. II. 93.
Z. pygmæa Karst. sub Sphæria, Mycol. Fenn. II. 93.
Z. pusilla Cke Hndb. p. 889 sub Sphæria — Sphæria seriata Curr. Linn. Transact. XXII. t. 59 f. 121.
Z. diaphana Cke & Ellis sub Sphæria, Grevillea 1876 pag. 53.
Z. papillata Fckl. sub Melanomm., Symb. Mycol. p. 160.
Z.? melanostigma Cke & Ellis sub Sphæria, Grevillea 1877 p. 13.
Z.? dubia Sacc. F. ital. tab. 299, sub Melanommate.
Z.? macrospora Sacc. F. ital. tab. 300, sub Melanommate.

*Species vulgo majores, peritheciis remotioribus, matrice sæpe profundius insculptis, ostiolis distinctius pertusis (*Trematosphæria* Fckl. p. p.).

Z. corticola Fckl. sub Tremat. Symb. mycol. p. 162.
Z. subferruginea Fckl. sub Tremat. Symb. mycol. p. 162.

*) Novum genus clarissimo Amico Lib. Bar. A. de Zigno, geologo scientissimo et de mycologia veneta bene quoque merito dicatum.

Z. cryptarum Fckl. sub Tremat. Symb. mycol. p. 163.

Z. Morthieri Fckl. sub Tremat. Symb. mycol. App. I. 306.

Z. rhodobapha B. & Br. sub Sphæria, Grevillea I. 175.

Z. lichenoides Rehm sub Tremat. Ascom. n. 285.

Obs. Asci cylindracei breviter stipitati, 90 ≈ 10, apice rotundati, paraphysibus filiformibus copiosissimis obvallati, octospori; sporidia monosticha v. p. p. disticha, ovoidea, v. suboblonga, 18 ≈ $6^1/_2$8, 5–septata, non constricta, hyalina.

Z. excellens Rehm sub Tremat. Ascom. n. 286.

Obs. Asci obclavato–fusoidei, 45 ≈ 10, paraphysibus filiformibus parce obvallati, octospori; sporidia subdisticha, breve fusoidea, 10 ≈ 4, plasmate bi– (quadri–?) partito, hyalina.

Z. corticivora Rehm. sub Tremat. Ascom. n. 382. & Augsb. Pilzfl. p. 77.

Obs. In speciminibus quæ adsunt perithecia fere omnia lophiostomoidea, immo a *Loph. nuculino* Rehm. Augsb. Pilzfl. p. 80 non diversa.

3. **Melanopsamma** Niessl Notiz. über Pyren. p. 40 (nomen) Sporidia didyma, hyalina v. subhyalina. Cetera *Melanommatis.*

M. pomiformis Pers. sub Sphæria, Cfr. Sacc. Michelia I. p. 33 sub Eriosphæria.

M. borealis Karst. sub Sphæria, Mycol. Fenn. II. 94.

M. Pustula Curr. sub Sphæria Linn. Transact. XXII. t. 59 f. 31. S. perexigua Bk., Cke Hndb. p. 863.

M. Rhodomphalos Bk., Curr. Linn. Transact. XXII t. 57 f. 28, sub Sphæria—S. rhodopis Fr. Summa 389 (nomen).

M. latericollis Fr. sub Sphæria, Trematosph. latericollis Fckl. Symb. mycol. App. II p. 31.

301. **Pleospora Collaltina** Sacc. & Sp. *P. Anthyllidis* **Meliloti* Sacc. Michelia I. p. 49. (ubi ex errore matricem ut *Melilotum* habui, quæ contra *Capparis* est.).

302. **Pleospora Spegazziniana** Sacc. Sp. nova Perithe-

ciis gregariis cortice nidulantibus, dein semierumpentibus, globulosis, $^1/_4$ mill. diam. breve papillatis nigris, contextu coriaceo, minute perenchymatico, atro; ascis cylindraceo-clavatis, breve stipitatis, apice rotundatis, 150 × 30, paraphysibus nullis visis; sporidiis inordinate distichis, ovato-oblongis, 38–40 × 20–22 utrinque obtusiusculis, sursum crassioribus, 7-septatis, longitudinaliter, 2–3-seriato-septatis, ad septa, præcipue medium, constrictis, olivaceis.

Hab. in ramulis emortuis Catalpæ syringifoliæ *a Conegliano,* Majo 1876 (C. Spegazzini).

Obs. Præcipue peritheciis coriaceis a *Pl. herbarum* (Pers.) Rbh. facile distinguenda.

303. **Pleospora phæospora** (Duby) Ces. & DNtrs. ***P. Venziana** Sacc. Fungi Ven. Ser. II. p. 308.

304. **Pleospora pyrenophoroides** Sacc. Fungi Ven. Ser. II. p. 309.

305. **Eriosphæria œnotria** Sacc. & Sp. (ex errore sub *Gibbera*) Speg. Ampelomyc. ital. n. 36. Peritheciis sparsis, globulosis, superficialibus, $^1/_4$–$^1/_5$ mill. diam., obtusiuscule papillatis, pilis rigidulis, septulatis, fuligineis, undique sed laxe vestitis; ascis cylindraceis, apice rotundatis, deorsum crassiuscule breveque stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis monostichis v. subdistichis, oblongo-ellipsoideis, 1-septatis, leniter constrictis, pallide roseo-fuscidulis.

Hab. in cortice emortuo Vitis viniferæ a *Conegliano,* ut videtur, rarius, Aut. 1877 (C. Spegazzini).

Obs. Nonnullis notis cum gen. *Gibbera* convenit, sed multo propius cum gen. *Eriosphæria.*

306. **Trichosphæria nobilis** Sacc. & Sp. Michelia II. pag. 247.

307. **Ohleria rugulosa** Fckl., Sacc. F. Ven. Ser. V. pag. 177.

308. **Teichospora obducens** (Fr.) Fckl., Sacc. Mycol. Ven. Spec. p. 210.

Obs. Asci cylindracei, apice rotundati, basi breve

crassiuscule stipitati, 120–150 × 16, paraphysibus filiformibus obvallati, octospori; sporidia monosticha, ovoidea, 30 × 12–15, 5-septato-muriformia, ad septa leniter constricta, olivascentia.

309. **Teichospora Vitalbæ** (DNtrs) Sacc. F. Ven. Ser. V. pag. 177.

310. **Teichospora anceps** Sacc. Michelia II. 274.

311. **Teichospora trabicola** Fckl., Sacc. Mycol. Ven. Spec. p. 210.

Obs. Asci cylindracei 110 × 10; sporidia, 3-septato-muriformia, 15–16 × 8, olivacea, oblique monosticha.

312. **Teichospora sarmenticia** Sacc. & Sp. sp. nova. Peritheciis erumpenti-superficialibus, laxe gregariis, globoso-depressis, $^1/_2$ mill. diam., breve obtuse papillatis nigris; ascis cylindraceo-clavatis, apice rotundatis, crassiuscule stipitatis, aparaphysatis (?), octosporis; sporidiis oblique monostichis, ovato-oblongis, utrinque obtusis, 16–18 × 8–9, 5-septato-muriformibus, fuligineis.

Hab. inter fibras corticales sarmentorum putrescentium Clematidis Vitalbæ, Aut. 1876 (Spegazzini).

Obs. Affinis *T. ignavi* (DNtrs) a qua præcipue peritheciis majoribus, colore fusco sporidiorum, paraphysibus nullis (?) differt.

313. **Teichospora Mesascium** (DNtrs) Sacc. F. Ven. Ser. III. p. 7.

314. **Teichospora Sylvana** Sacc. & Sp. in Thüm. Pilze d. Weinst. p. 26 (ex errore sub *Amphisphæria*) Peritheciis superficialibus hinc inde gregariis, globulosis, $^1/_5$–$^1/_4$ mill. diam. obtuse papillatis; ascis cylindraceo-clavatis apice rotundatis, brevissime stipitatis, paraphysatis, octosporis; sporidiis oblique monostichis v. subdistichis, ellipsoideo-oblongis, 28–35 × 16–20 constricto-didymis, 8-11-septato-muriformibus, initio cribrose guttulatis, fuligineis,

Hab. in trunco emortuo Vitis viniferæ *a Selva.* Aut. 1877. – *Obs.* Sporidia initio bilocularia,

flavicantia, medio constricta, qua nota a *T. Mesascio* præcipue dignoscitur.

315. **Teichospora oxystoma** Sacc. & Sp. nov. spec., Speg. Ampelom. ital. n. 29. Peritheciis laxe gregariis, superficialibus, globulosis, $^1/_3$–$^1/_2$ mill. diam., in ostiolum longiusculum cylindraceo–conicum abeuntibus; ascis cylindricis, 180–200 × 15–16, brevissime stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis monostichis, fusoideis, quandoque subinæquilateralibus, utrinque acutiusculis, 8–10–septato–muriformibus, fuligineis.

Hab. in ligno decorticato indurato ramorum Vitis viniferae, *a Conegliano*, Oct. 1877.

316. **Teichospora ignavis** (DNtrs) Karst., Sacc. Michelia I. 47.

317. **Teichospora patellarioides** Sacc. Michelia I. 47.

318. **Teichospora pezizoides** Sacc. & Sp. in Mycoth. Ven. n. 1270. Peritheciis sparsis v. subgregariis, superficialibus, primo globosis dein collabescendo patellaribus, diam. 250–300 micr. diam., minutissime rugulosis, atris, ostiolo exiguo papillato; contextu perithecii molliusculo, parenchymatico, atro–fuligineo; ascis cylindraceis deorsum breve attenuato–stipitatis basique nodulosis, apice rotundatis, tunica incrassata, 110–115 × 10, paraphysibus filiformibus asco paulo longioribus obvallatis, 8–sporis; sporidiis oblique monostichis oblongo–ellipsoideis, 18–24 × 6–7, utrinque obtusiusculis, 3–septatis, parceque muriformibus, ad septa constrictis, olivaceo–fuligineis, loculis extimis plerumque pallidioribus.

Hab. in cortice duriore Robiniæ Pseudacaciæ, socia *Hendersonia fusarioide* Sacc., Jan. 1878, copiose.

319. **Thyridium Rousselianum** Sacc. & Sp. Michelia I. pag. 49.

320. **Thyridium pulchellum** Sacc. & Sp. Michelia II. 249.

FUNGI VENETI novi v. critici auctore P. A. SACCARDO. Seriei VIII.ᵛᵃᵉ Appendicula.

1. **Sphærella corylaria** (Wallr.) Fckl. Sacc. Mycoth. Ven. n. 1265. *Sphæria corylaria* Wallr. Comp. Crypt. Germ. pag. 770.

   Hab. in foliis languidis Coryli Avellanæ *a Padova,* Ianuario 1878 (G. Bizzozero).

   Obs. Perithecia nitidula, solidiuscula. Nucleus albidus, corpusculis subovatis, hyalino-farctis (ascis immaturis?) fœtus. Dubia in hoc genere species.

2. **Læstadia Veneta** Sacc. & Sp. Mycoth. Ven. n. 1266. Peritheciis sparsis, foliorum parenchymate immersis, denique epidermidem operculatim dirumpentibus, e globoso lenticularibus, nitidulis, 120–150 micr. diam., atris, ostiolo minutissimo papillulato, contextu dense parenchymatico, fuligineo; ascis late cylindraceis v. cylindraceo-clavatis breve attenuato-stipitatis, 48–55 ≈ 12–13, apice tunica incrassata perforataque rotundatis, aparaphysatis, octosporis; sporidiis distichis v. inordinate tristichis, oblongo-fusoideis, 14–16 ≈ 4–5, anguste limoniiformibus, utrinque obtusiusculis, raro leniter inæquilateralibus, non v. utrinque minute 1-guttulatis, hyalinis.

   Hab. in foliis Platani occidentalis dejectis *a Padova,* Febr. 1878 (C. Spegazzini).

3. **Microthyrium Juniperi** (Dmz.) Sacc. Mycoth. Ven. n. 1269. *Dothidea Juniperi* Dmz. VIII. Not. p. 13.

   Hab. in foliis adhuc vivis Juniperi communis, Jan. 1878, magna manu (C. Spegazzini).

   Obs. Perithecia gregaria v. subsparsa in foliorum pagina superiore superficialia et mox decidua, dimidiato-lenticularia, micr. 200 diam., tenuissime membranacea, radiatim parenchymatico-contexta, fusco-olivacea, poro minuto pertusa. Asci cylindracei sursum

rotundati, basi abrupte breve incurvo-stipitati, 65 × 20, aparaphysati, octospori. Sporidia disticha, v. tristicha, didyma, utrinque rotundata, ad septum leniter constricta, 20–25 × 7–7½, loculo inferiore paulo angustiore, hyalina v. dilutissime chlorina. His notis species hæc ad genus Microthyrium rite meritoque pertinere videtur.

4. **Rosellinia amphisphærioides** Sacc. & Sp. in Mycoth. Ven. n. 1274. Peritheciis sparsis, basi cortice insculptis, rarius semi-immersis, globosis, ¼–⅓ mill. diam., atris, carbonaceis, ostiolo conico papillato; ascis cylindraceis, 90–120 × 10–12, apice rotundatis, deorsum brevissime attenuato-stipitatis, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis recte v. oblique monostichis, ellipsoideis v. oblongo-ellipsoideis, 20–22 × 10, utrinque obtusiusculis, quandoque inæquilateralibus, non v. 1–2-guttulatis, olivaceo-fuligineis, subopacis.

   Hab. in cortice duriore Populorum *a Vittorio*, Oct. 1877.

5. **Gymnosporium Bambusæ** Thüm. & Bolle Contrib. Funghi Litor. p. 6. fig. 12.

   Hab. in foliis emortuis Bambusæ arundinaceæ *a Susegana*, Jan. 1877 (C. Spegazzini).

6. **Stigmella Visianica** *) Sacc. Mycoth. Ven. n. 1289. Acervulis hypophyllis, hinc inde gregariis erumpenti-superficialibus, applanatis, atro-olivaceis, subvelutinis; conidiis e strato proligero celluloso fuligineo oriundis, oblongo-ovoideis, utrinque obtusiusculis, 20–32 × 8–10, 3–(raro 4–)septatis, parceque muriformibus, ad septa vix, ad medium distincte constrictis, sæpe guttulatis, olivaceo-fuligineis, basidiis brevissimis hyalinis crassiusculis suffultis.

   Hab. in foliis dejectis Platani orientalis *a Padova*, Febr. 1873 et 1878, frequens in Horto botanico.

*) Ad honorem Magistri olim mei Rob. de Visiani, in studiorum patavina Universitate diu Botanices professoris et ornamenti, de Botanica phanerogamica et palæontologica meritissimi atque celeberrimi, die 4 Maji hujus anni 1878, cheu nobis et scientiæ erepti.

Obs. Stigmella Platani Fckl. Beitr. in bot. Zeit. et in Mycoth. Univ. n. 889, quæ verisimillime eadem est ac *Puccinia Platani* Biv. Stirp. rar. Sic. p. 16 t. 3 fig. 5 (1815) *), ab hac recedit conidiis minoribus, nempe 15–20 ≈ 6–8, intensius coloratis, parcius et spurie septatis, non constrictis, episporio crassiore, basidiisque conicis, majoribus, fuscidulis.

7. **Hendersonia paludosa** Sacc. & Sp. Mycoth. Ven. n. 1293. Peritheciis gregariis in parenchymate foliorum immersis amphigenis, circa ostiolum epidermidi hærentibus, globosis, 100–120 micr. diam., papillulatis, vix denique erumpentibus, contextu membranaceo indistincte parenchymatico, fusco; stylosporis fusoideis, utrinque acutiusculis, rectis curvulisve, 50–60 ≈ 9–10, 8–10–septatis, ad septa non v. vix constrictis, grosse 9–11–guttatis, hyalinis.

Hab. in foliis Caricis ripariæ putrescentibus *a Bresséo* (Euganei), Febr. 1878.

Obs. Ab affinibus *H. arundinacea, H. subseriata* et *H. Typhoidearum* magnitudine et septatione stylosporarum differt.

8. **Diplodia Ulicis** Sacc. & Sp. Mycoth. Ven. n. 1294. Peritheciis gregariis subcutaneis, dein erumpentibus,

*) Mihi conferenti Bivonæ-Bernhardi Stirp. rar. minusque cognitarum Sicil. manipulum III. (1815) et manipulum IV. (1816) sequentia mycologici argumenti notabilia obvenerunt.

Uredo Convolvuli Biv. (1815) est *Uredo Convolvuli* Str.

Sphæria ulmicola Biv. (1815) est *Stilbospora Uredo* DC (1815) seu *Septoria Ulmi* Fr. (1819).

Sphæria Echinus Biv. (1815) est *Dothidea* (Septoria) *Fraxini* Fr. (1822) seu *Exosporium Fraxini* (Fr.) Niessl. Krypt. Mähr. II. 24. (1865) quæ species aptius ad gen. Cercosporam ducenda videtur.

Puccinia Ulmi Biv. (1815) videtur *Sporidesmii* species.

Puccinia Platani Biv. (1815) est verisimillime *Stigmella Platani* Fckl., ut supra monui.

Puccinia Teucrii Biv. (1815) in Teucrio fruticante! est *Puccinia Beltraniana* Thüm. Mycoth. Univ. n. 734 (1877).

Puccinia Smyrnii Biv. (1816) est *Puccinia Smyrnii* Cda (1840) seu *Puccinia Torquati* Pass. (1871).

Æcidium Bunii f. *Smyrnii Olusatri* DC., Biv. (1816) est *Aecidium Smyrnii* Bagnis (1874).

Erysiphe vagans Biv. (1815) est *Erysibe guttata* Schlecht. (1824).

Erysiphe clandestina Biv. (1815) est *Uncinula Bivonæ* Lév. (1851).

Hæ omnes stirpes iconibus pro tempore optimis descriptionibusque accuratis illustratæ traduntur.

globosis, $^1/_5$ mill. diam., brevissime papillatis; stylosporis ovoideis v. ellipsoideis utrinque obtusiusculis, plerumque continuis, 20–25 ≈ 10–11, olivaceo–fuligineis, sæpius 1–2–guttulatis, basidiis filiformibus, 5 ≈ 1, hyalinis fultis.

Hab. in ramulis Ulicis europæi putrescentibus *a Susegana,* Januario 1878.

9. **Phoma Elæagni** Sacc. Mycoth. Ven. n. 1297. Peritheciis amphigenis, innato–erumpentibus, globosis, 130 micr. diam., papillulatis, nigris; spermatiis elliptico–cylindraceis, 8–11 ≈ 3, minute 2–3guttulatis, hyalinis; basidiis filiformibus, 20–25 ≈ 1, curvulis suffultis.

Hab. in foliis dejectis Elæagni reflexi in Horto botanico Patavino, Jan. 1878.

CORRIGENDA

Valsa ceratophora Sacc. Michelia I p. 20 linea 24 lege *Valsa heteracantha* Sacc.

Massaria fœdans Fr. f. *faginea* Michelia I. p. 40. Hæc est *M. loricata* Tul. Carp. sed a typo *M. fœdantis* Fr. vix ac ne vix differt.

Sporormia gigaspora Speg. Michelia II. 231. Quum antiquior diversaque species homonyma, adsit apud Fuckel (Symb. mycol. App. 1. p. 325) cl. Doct. R. Pirotta in egregia sua Sporormiarum monographia nomen in *Sporormiam Spegazzini* Pir. mutavit.

Ceratostoma Jani-collinum Sacc. & Sp. Michelia II. 246. In ramis Rubi nec Lappæ (ut indicavi) lectum fuit.

Calonectria pyrrochlora (Awd.) Sacc. Michelia II 251. Corrige: *Calonectria Massariæ* (Pass.) Sacc. F. ital. tab. 193.

Pyrenopeziza hysterina Sacc. Michelia II, 254 et Mycoth. Ven. n. 1195 seu *Belonidium hysterinum* Speg. in Thuem Mycoth. Univ. n. 920, præeunte cl. Rehm in litt., eadem species est ac *Micropeziza Graminis* (Dmz.) Rehm Asc. 115, Thuem. Mycoth. Univ. n. 216, seu

Peziza Graminis Dmz. VIII. Notic. p. 5. (1841) seu *Belonidium Hystrix* DNtrs Mycoth. Univ. n. 521 Fateor in mea definitione cl. Karstenio in Mycol. Fennica omnino inhæsisse, in quo eximio opere descriptio *Mollisiæ Graminis* cum *Peziza Graminis* Dmz. minime convenit, nam asci et sporidia dimidio minora describuntur. Descriptio mea l. c. specimina provectiora spectat; cupulæ marginem prosenchymaticum dixi, h. e. libere prosenchymaticum seu dense breve setulosum. Sporidia 4–guttulata vidi nec septata, ob quem characterem, nec non ob contextum excipuli duriusculum et fuligineum, propius species hæc ad genus *Pyrenopizizam* (incl. *Micropeziza*) seu *Mollisiam* Karst. p. p. accedit, quam ad *Belonidium* Dur. & Mtgn.

Diplodia pinea (Dmz.) Kx., Michelia II. 256. Adde: *Hab.* in acubus Pini montanæ in Horto Patavino, Dec. 1876

5 Novembr. 1878. Num. IV.

MICHELIA

COMMENTARIUM MYCOLOGIÆ ITALICÆ

curante P. A. SACCARDO

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PATAVII
TYPIS SEMINARII
1878

FUNGI NONNULLI EXTRA-ITALICI NOVI

EX HERBARIIS

C. C. GILLET, P. MORTHIER, ET G. WINTER.

AUCTORE

P. A. SACCARDO

1. **Pseudopeziza Morthieri** Sacc. Maculis foliorum arescendo ochraceo-fulvis, amplis; cupulis hypophyllis hinc inde gregariis, plano-scutellaribus, adnato-sessilibus, minutissimis, vix $^1/_{10}$ mill. diam., glabris, madore disco apertis, flavo-fulvis, pellucidis; contextu excipuli parenchymatico, margine subprosenchymatico; ascis cylindraceo-clavulatis, 45 × 7, subsessilibus, paraphysibus filiformibus apice *aduncis*,obvallatis, octosporis; sporidiis distichis, cylindraceo-clavatis, 7–10 × 2–2 $^1/_2$, quandoque curvulis, hyalinis.

   Hab. in pagina inferiore foliorum Rubi glandulosi in alpibus Helveticis, unde misit Junio 1878 clariss. prof. Doct. P. Morthier.

   Obs. A *Peziza misella* Dmz., *P. dumorum* Dmz., *P. Œdema* Dmz. nec non a *Pseudopeziza exigua* Niessl (omnibus folia Ruborum habitantibus) probe diversa.

2. **Pleospora Gilletiana** Sacc. Peritheciis gregariis, epidermide tumidula velatis, e globoso depressis, $^1/_2$ mill. diam., nigris, vix papillatis, basi hyphis filiformibus copiosis, fuligineis cinctis, ceterum glabris; contextu laxe parenchymatico, fuligineo; ascis cylindraceis 130 × 13–15, subsessilibus, apice rotundatis ibique lumine truncato integro, paraphysibus (ubi adsunt) brevissimis obvallatis, octosporis; sporidiis oblique monostichis oblongo-ovoideis, medio plerumque leniter constrictis, utrinque obtusiusculis, 25–28 × 12–13, initio hyalinis

1-septatis, dein 7-septatis denseque muriformibus, cribrose guttulatis, flavis, tandem melleis.

Hab. in ramulis Genistae prope *Alençon* in Gallia 1878 (C. C. Gillet).

Obs. A *Pleospora Cytisi* Fckl., cui affinis, differt ascis multo angustioribus, sporidiis brevioribus, perithecciis basi vestitis &c.

Lophiotrema Winteri Sacc. Perithecciis sparsis gregariisve, cortice nidulantibus lignoque adnatis, globulosis, $^1/_2$ mill. d., ostiolo emergente compresso sed angusto et acutiusculo; ascis clavatis, v. clavato-cylindraceis, 100–110 × 15–17, apice rotundatis, breve stipitatis, paraphysibus copiosis filiformibus obvallatis, octosporis; sporidiis monostichis vel p. p. distichis, fusoideis, curvulis, 28–34 × 7 $^1/_2$–8 $^1/_2$, obtusiusculis, 5-septatis, ad septa leniter constrictis, typice hyalinis 6-guttulatis, utrinque appendiculâ longiusculâ crassâ hyalinâ, mox deciduâ auctis.

Hab. in ramulis emortuis Helianthemi prope *Zurich* in Helvetia, aut. 1878 (Prof. G. Winter).

Obs. Peraffine *L. præmorso* (Lasch.) Fckl., Sacc. F. it. tab. 253, a quo perithecciis minoribus, ostiolis acutiusculis, sporidiis crassius appendiculatis recedit et *L. sexnucleato* Cke a quo sporidiis appendiculatis, ostiolo angustiore &c. differt.

3. **Phoma aculeorum** Sacc. Perithecciis gregariis, punctiformibus, $^1/_{10}$–$^1/_8$ mill. d., conoideis, nigris, initio epidermide velatis; spermatiis cylindraceo-oblongis, sæpe curvulis, 3–4 × 1, obsolete 2-guttulatis, hyalinis, basidiis fusoideis crassiusculis suffultis.

Hab. in aculeis languidis Rosarum prope *Alençon* in Gallia, 1878 (C. C. Gillet).

4. **Phoma enteroleuca** Sacc. Perithecciis hinc inde acervulatis, peridermio tectis, dein erumpentibus, globulosis, $^1/_4$ mill. diam. vix papillatis, diu nucleo albo farctis; spermatiis ovoideo-oblongis, 4 × 1 $^1/_2$, eguttulatis, hyalinis (basidiis nullis visis).

Hab. in ramulis Pyri prope *Alençon* in Gallia, 1878 (C. C. Gillet).

5. **Phoma populea** Sacc. Botryosphærioides; perithecciis

hinc inde aggregatis, innato-erumpentibus, globulosis, minutis, nigris, vix papillatis; spermatiis obovoideis, 10 × 7, apice rotundatis, nubilosis, hyalinis (basidiis nullis visis).

Hab. in ramis corticatis Populi fastigiatæ prope *Alençon* in Gallia, 1878 (C. C. Gillet).

6. **Phoma xanthina** Sacc. Peritheciis gregariis, epidermide tumidula velatis, globoso-depressis, $^1/_5$–$^1/_3$ mill. diam., ostiolo exiguo erumpente, contextu laxe parenchymatico fuligineo; spermatiis cylindraceis v. cylindraceo-oblongis, utrinque obtusis, curvulis, 15 × 4–6, 2–3–guttulatis, singulis subhyalinis, coacervatis luteolis, basidiis obsoletis.

Hab. in caule putrescente Delphinii prope *Alençon* in Gallia, 1878 (C. C. Gillet).

7. **Phoma Spartii** Sacc. Peritheciis gregariis, cortice velatis, dein, ipso secesso, superficialibus, basi ligno insculptis, oblongis, quandoque subhysteriiformibus, $^1/_3$ mill. lgs., $^1/_5$ crs., nigris, ostiolo sæpe rimose dehiscente; spermatiis fusoideis, 10–11 × 2–$2^1/_2$, 2–guttulatis, hyalinis, basidiis filiformibus, curvis, 20–22 × $1^1/_2$–2, suffultis.

Hab. in trunco Spartii prope *Alençon*, in Gallia 1878 (C. C. Gillet).

Obs. Verisimiliter status spermogonicus *Diaporthes* cujusdam.

8. **Vermicularia herbarum** West., Kx Fl. Flandr. I. 405 (ut videtur).

Hab. in caule putrescente Solani tuberosi prope *Alençon* in Gallia, 1878 (C. C. Gillet).

Obs. Perithecia laxiuscule gregaria, superficialia, globoso-depressa, $^1/_2$ mill. diam., nigra, setulis crebris vestita; spermatia cylindracea, subrecta, utrinque obtuse rotundata, 20–22 × 3–4, granulosa, hyalina. A *Verm. Dematio* Fr., cui habitu affinis, differt spermatiis rectis, obtusisque, nec falcatis. Longius distat a *Vermic. atramentaria* B. & Br. (? = V. maculanti [Link] Dmz.) ob perithecia majora & laxe sparsa.

9. **Septoria Gilletiana** Sacc. Maculis nullis; peritheciis

(spuriis) hypophyllis, hinc inde gregariis 100–110 micr. diam. epidermide tumidula tectis; spermatiis e strato proligero crassiusculo fasciculatim oriundis, filiformibus curvulis v. tortuosis, 30–45 × $1^3/_4$–2, utrinque obtusiusculis, 3–septatis, hyalinis.

Hab. in foliis nondum emortuis Castaneæ vescæ prope *Alençon* in Gallia, 1878 (C. C. Gillet).

Obs. A *Sept. castanicola* Dmz., Sacc. Michelia II. 175. spermatiis dimidio et ultra angustioribus &c. recedit.

10. **Phyllosticta Platanoidis** Sacc. Maculis subnullis, peritheciis minutissimis, hypophyllis, hinc inde maculiformiter aggregatis, vix 70–80 micr. diam., poro pertusis; spermatiis oblongis, perexilibus, 3 × $^1/_2$, hyalinis.

Hab. in foliis Aceris Platanoidis prope *Alençon* in Gallia, 1878 (C. C. Gillet).

11. **Glæosporium phæosorum** Sacc. Acervulis ramulicolis, gregariis epidermide velatis, globosis v. oblongis, $^1/_4$ mill. diam., nigricantibus, tandem irregulariter erumpentibus; conidiis fusoideis majusculis, 25–28 × 8, raro oblongis, chlorino–hyalinis granulosis, basidiis filiformibus, brevibus, quandoque fuscatis fultis.

Hab. in sarmentis corticatis Ruborum prope *Alençon* in Gallia, 1878 (C. C. Gillet).

Obs. Æquo fere jure ad gen. *Myxosporium* duci potest.

12. **Stemphylium ramulosum** Sacc. Effusum, velutinum, atrum, hyphis ascendentibus, filiformibus, elatis, $^1/_2$ mill. altis, 10–13 micr. crassis, deorsum leniter incrassatis, apice simpliciter v. repetite breve-ramulosis, ubique crebre articulatis, intense fuligineis, articulis 2–guttatis; conidiis ex apice hypharum oriundis, oblongis v. obpyriformibus, 35–50 × 18, 5–7septato-muriformibus, cribrose guttulatis, fuligineis,

Hab. in caule putrescente Apii Petroselini prope *Alençon* in Gallia (C. C. Gillet).

Obs. Genus *Mystrosporium* a *Stemphylio* antiquiore essentialiter non differt. Species hæc a *Mystr. Spraguei* B. & Curt. et *Mystr. macropode* Cda. hyphis apice ramosis statim dignoscitur.

FUNGI VENETI

NOVI VEL CRITICI

VEL MYCOLOGIÆ VENETÆ ADDENDI

AUCTORE

P. A. SACCARDO

SERIES IX.

Hymenomyceteæ *Fr.*

1. **Agaricus** (Pleuropus) **perpusillus** Fr. Hymen. Eur. p. 181.

   Hab. ad rhizomata emortua Andropogonis et ramenta proxima *a Conegliano*, æstate 1878 (Spegazzini).

   Obs. Pileis minutis (vix 2–3 mill. diam), albis, conchatis, sæpius centro affixis, glabris, lamellis parcissimis crassiusculis facile dignoscenda species.

2. **Agaricus** (Clitocybe) **amplus** Pers. Sgn. p. 359, Fr. Hymen. Europ. p. 359, Kx. Flandr. II. 143.

   Hab. in muscosis, uliginosis *a Selva*, Oct. 1878.

   Obs. Pileus plano-concavus, 13–15 cent. diam., margine sinuosus lamellæque e corneo albida. Sporæ ellipsoideæ, $5 \times 3\ ^1/_2$, 1-guttulatæ, hyalinæ. Odor fungi-nus levis.

3. **Panus Flabellulum** S. & S. Pileo dimidiato, flabellato, 1 cent. d. membranaceo-tenacello, subsquamuloso, margine acutiusculo, in basim breve stipitiformi-attenuato, vivo albo dein cerino; lamellis crebris angustis integris dimidiatisque, distinctis, in basim decurrentibus, acie integra; trama hymenina anastomotico-filamentosa, basidiis subclavatis 20×5; sporis in basidiis diu inclusis, sphæroideis, $2^1/_3$–$3^1/_4$ diam. levibus, hyalinis.

Hab. in culmis putrescentibus Arundinis Donacis *a Conegliano,* Sept. 1876.

Obs. Habitu *Panum stipticum* obiter visus refert, characteribus longe distat.

4. **Boletus flavus** With., Fr. Hymen. Eur. p. 497 — Kx. Flandr. II. 239.

Hab. in uliginosis, *a Selva,* Oct. 1878.

Obs. Est forma pileo flavo expallente. Stipes supra anulum membranaceum eximie poroso–reticulatus. Sporæ ovoideo-oblongæ, basi acutatæ, 12 = 4, granulosæ, dilute ochraceæ.

5. **Polyporus cinnamomeus** (Jacq.) Sacc. *Boletus cinnamomeus* Jacq. Collect. I. pag. 116 tab. II.

Hab. inter muscos in sylva *Montello* et *a Conegliano*, aut. 1878.

Obs. Totus vivide cinnamomeus, hymenium vero dilutius. Stipes velutino-tomentellus; pileus zonatus, margine sæpius eximie fimbriatus. Hymenium versus marginem sterile; pori majusculi angulosi (pentagoni vel hexagoni). Affinis *Polyporo perenni,* a quo poris duplo triplove majoribus statim dignoscitur. A *P. arculario* pileo zonato &c. differt. An vero *P. cinnamomeus* noster secundo anno microporus fiat et in *P. perennem* abeat possibile videtur, sed hoc factum observatio nondum confirmavit.

6. **Fistulnia hepatica** (Huds.) Fr., Sacc. Mycol. Ven. Spec. p. 57. Status omnino gasterosporus *Ceriomycetem* sistens. Cfr. De Seyn. Mon. Fist. t. V, Arcang. in Giorn. bot. ital. 1878 p. 369.

Obs. Ex radicum quercinarum rimis in sylva Montello quandoque gignuntur conceptacula tubulis prorsus carentia e globoso ovoidea, extus rufescentia, papillato-asperula, intus purpurescentia, radiatim locellata; locelli elongati saturatiores, hyphis sporisque farcti, sporæ ad apicem hypharum ramulosarum racemose aggregatæ, ovoideæ v. suboblongæ, 6–10 = 5, rarissime sub–1–septatæ, granulosæ, hyalinæ. Male hæ sporæ conidia dicuntur, nam conidia libera sunt, hyphomycetibusque propria. Gasterosporæ aptius dici possent. Si cl. Ar-

cangeli eximiam Seynesii monographiam gen. Fistuliniæ vidisset, forte Notulam suam aut saltem tabulam ut supervacaneam, omisisset. *Ceriomyces terrestris* Schulz, Sacc. F. Ven. Ser. V. 167 et M. V. n. 835 certe *Polypori sericelli* Sacc., quocum nascitur, status gasterosporus habendus est.

7. **Hydnum cyathiforme** Schaff. t. 139. Fr. Hymen. europ. p. 606. *H. tomentosum* Fr. S. M., Sacc. Mycol. Ven. 58 (teste Fr. *non* L.). * **obscurum**: pileo stipiteque cinereo-fusco, margine pilei aculeisque albicantibus, ceterum ut in typo.

Hab. in muscosis udis sylvæ *Montello*, Oct. 1878.

Obs. Aculei extus albi, intus vero ferruginei. Sporæ globulosæ asperulæ, 2 ½–3 ½ micr. d., perfectæ hyalinæ.

8. **Hydnum geogenium** Fr. Hymen. europ. p. 610. *H. sulphureum* Kalchb., in litt. ad Fr.

Hab. ad terram inter radices Abietis putrescentes in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Obs. Mycelium longe lateque effusum, flocculosum, sulphureum. Sporæ globulosæ, 4 micr. d., muriculatæ, hyalino–flavidæ.

9. **Typhula erythropus** (Bolt.) Fr. Hymen. europ. p. 683. Karst. Mycol. Fenn. III p. 338, Kx Flandr. II. 121,

Hab. in caule putri *a Conegliano*, aut. 1877 (Spegazzini).

10. **Exobasidium Vaccinii** Wor., Fckl. Symb. 26.. Sacc. M. V. Cent. XIV.

Hab. in foliis vivis Vaccinii Vitis ideæ in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Hypodermeæ *de Bary.*

11. **Triphragmium Isopyri** Moug. Vog. n. 892, Dmz. Exs. n. 1087 (sec. Hoffm. Ind. p. 143).

Hab. in pagina inferiore foliorum viventium Isopyri thalictroidis in collibus Euganeis, Martio 1878 (Bizzozero).

Obs. Folia affecta deformantur v. corrugantur, in-

fraque bullosa fiunt, quasi ab aliqua ustilagine invasa essent. Acervuli satis extensi, irregulares, tumiduli, ob epidermidem velantem subcinerei, denique erumpentes, atri. Teleutosporæ obtuse trigonæ, tricellulares, sursum 2-loculares, attenuatæ, diam. 35-40 micr., parce verruculosæ, 3-nucleatæ, opace fuligineæ, stipite cylindraceo, 15 ≈ 6-7, hyalino suffultæ.

12. **Puccinia Noli-tangere** Cda Icon. fung. IV. fig. 57. Sacc. M. V. Cent. XIV.

Hab. in foliis Impatientis Nolitangere languidis in sylva *Cansiglio*, Aug. 1878 (C. Spegazzini).

Obs. Acervuli sæpius teleutospori. Teleutosporæ ellipsoideæ v. suboblongæ, medio leniter constrictæ, vertice hyalino-apiculatæ, tunica non incrassata, brevissime stipitatæ, granulosæ, ochraceæ, quandoque germinantes et tunc filamenta varie ramulosa sporidiophora, tota hyalina proferentes. Stylosporæ globulosæ, 20 micr. diam., longiuscule stipitatæ, vix asperulæ, dilutissime ochraceæ.

13. **Puccinia Calthæ** Lk. Sp. II. 79. Ck. IInd. p. 504. Sacc. Mycoth. Ven. Cent. XIV.

Hab. in pagina inferiore foliorum Calthæ palustris in sylva *Cansiglio*, Aug. 1878, statu uredosporo et teleutosporo.

Obs. Uredosporæ globoso-ellipsoideæ, 30 ≈ 25, dilute ochraceæ, minute muricatæ. Teleutosporæ oblongæ, 40-50 ≈ 22-30, tunica apice incrassata, obtusiusculæ, granulosæ, cinnamomeæ, stipite sporam subæquante.

14. **Uromyces Liliacearum** Ung. Einf. d. Bod. p. 216, Voss. Pilz. Krains p. 17.

Hab. in foliis junioribus radicalibus Lilii bulbiferi *a Conegliano*, Majo 1877 (Spegazzini).

Obs. Teleutosporæ obovoideæ, 30 ≈ 25, leves, tunica æqualiter incrassata, cinnamomeæ, vertice apiculo hyalino ornatæ, stipite brevissimo hyalino suffultæ. Acervuli minuti epidermide jugiter velati.

15. **Æcidium Chærophylli** Kirchn. in Thüm. Krems Pilz. p. 6.

Hab. in petiolis v. in pagina inferiore foliorum vi-

vorum Chærophylli hirsuti prope *Melara* in agro Mantuano; Majo 1877 (Com. A. Magnaguti-Rondinini).

16. **Ceratitium cornutum** (Pers.) Rabh., Sacc. Mycol. Ven. p. 88.
    f. **Sorbi aucupariæ** M. V. n. 485. — *Bosco Cansiglio.*
    f. **Aroniæ rotundifoliæ** — In collibus Veronensibus.
17. **Ceratitium laceratum** (Sow) Rabh., Sacc. Mycol. Ven. p. 87.
    f. **Sorbi torminalis** M. V. n. 63 — *Bosco Montello.*
    f. **Sorbi Ariæ** M. V. cent. XIV — *Bosco Cansiglio.*
    f. **Cratægi Oxyacanthæ** — In foliis et ramulis Cratægi Oxyacanthæ *a Conegliano.*

Phycomyceteæ *de Bary.*

18. **Peronospora Erythrææ** Kühn. *P. Chloræ* dBy.
    f. *Erythrææ* in Rabh. F. E. n. 1664.
    Hab. in foliis Erythrææ Centaurii *a Conegliano,* Julio 1877 (Spegazzini).
19. **Peronospora pygmæa** (Ung.) dBy. Peron. in Hedw III. 132.
    Hab. in foliis Anemones nemorosæ in Horto Patavino et *a Conegliano,* vere 1878.
    Obs. I. Macroconidia subglobosa, granulosa, 20 × 18. Microconidia ovoidea 5–6 × 3. Oosporæ in mesophyllo nidulantes, globosæ, 40–45 micr. diam., leves, episporio luteo-fusco, endosporio 4–5 micr. cr. subhyalino, intus nubilosæ.
    Obs. II. In *Peronospora Chloræ* dBy oosporæ globosæ leves v. leniter rugosæ, 32–42 micr. diam., flavo-fuscæ, endosporio crassiusculo, hyalino. Hunc statum legit Spegazzini *a Conegliano* Aut. 1877.
20. **Peronospora sordida** Bk., Cooke Hndb. p. 597 — *α* **Scrophulariæ nodosæ** — *β* **Verbasci Blattariæ.**
    Hab. utraque forma in foliis plantarum citatarum *a Conegliano,* æstate 1877 (Spegazzini).
21. **Peronospora densa** Rabh, de Bary Peron. in Hedw.

III. 133., Michelia I. 12 (conid.) — Status **oogoniophorus** (ut videtur).

Hab. in caulibus, ramis, foliisque floralibus Rhinanthi minoris *a Conegliano*, Apr. 1877 (Spegazzini).

Obs. In matricis partibus fungo affectis parvi hinc inde tumores gignuntur, epidermide denique infuscatâ tecti $^1/_4$ mill. lati et satis prominuli. Sporæ intra tumores copiosissimæ, globosæ v. initio e mutua pressione obtuse angulosæ, 35–37 micr. diam., levissimæ, guttatæ v. granulosæ, episporio 2–2 $^1/_2$ micr. cr. flavo-ochraceo, endosporio tenuiore hyalino. Totus habitus *Protomycetis*, eo magis quod status conidicus in exemplaribus observatis desideretur.

Ascomyceteæ *de Bary.*

Pyrenomyceteæ *Fr.*

Erysiphaceæ Lév.

22. **Erysiphe Montagnei** Lév., Fckl. Sgmb. mycol. pag. 85.

Hab. in pagina inferiore foliorum Lappæ minoris *a Conegliano*, Oct. 1878 (Spegazzini).

Obs. Asci ovoidei, 70 × 35, 2–3-spori; sporidia ovoidea 30 × 28. Appendiculæ perithecii inæquales, fuscescentes.

Desciscentes

23. **Lasiobotrys Loniceræ** Kze in Mycol. Heft. II. 88.

Hab. in utraque pagina foliorum languidorum Loniceræ nigræ in silva *Cansiglio*, Aug. 1878 (Spegazzini).

Obs. Fungillus structura valde peculiaris et (mirum!) a nullo, quem sciam, auctore exacte descriptus vel delineatus. In foliis gignuntur hinc inde gregatim cupulæ stromaticæ aterrimæ, mycelio solo penetrante, superficiales, 150–180 micr. diam. celluloso-con-

textæ, duriusculæ, margine setulis copiosis, septatis olivaceo-fuligineis, 60–150 × 4, patulis ciliatæ. In his cupulis nidulantur perithecia numerosa, botryoso-aggregata, perfecte sphærica, astoma, 50 micr. d., contextu distinctissime parenchymatico, membranaceo, fuligineo; asci, qui insunt, fasciculati, cylindraceo-clavati, deorsum attenuati, 40–50 × 10, octospori, aparaphysati; sporidiis breve fusoideis, 8–10 × 4–5, hyalinis. Cupulæ stromaticæ, peritheciis facile secessis, perithecium unicum collapso-cupulatum mentiuntur, vel peritheciis farctæ simile nondum collapsum æmulantur. Icones et descriptiones auctorum, e. g. Grevillei, Wallrothii, Friesii, Cordæ etc. talem fabricam fictitiam ostendunt, perithecia vera haud demonstrant vel pro ascis habent.

24. **Myriococcum præcox** Fr. Syst. Mycol. II. 304. Corda Icon. fung. V. p. 56., t. III. fig. 39.

Hab. in fragmentis ligneis et corticibus putrescentibus in calidariis Horti Patavini, Januar. 1873.

Obs. Perithecia in subiculo mucedineo albo effuso dense gregaria, sphæroidea, diam. 50–70 micr., nitida, astoma, rufa; contextu distincte parenchymatico purpurascente, cellulis polyædricis 6–8 micr. diam. Corpuscula inclusa globulosa 6–10 micr. diam. hyalina, potius plasmatis guttulæ videntur. Etsi asci nondum innotuerint eurotiaceum genus videtur.

Sphæriaceæ Fr. p. p. Ces. et DNtrs.

Sect. 1. Allantosporæ Sacc.

25. **Valsa** (Euvalsa) **punica** S. & S. Acervulis sparsis, cortice nidulantibus, e peritheciis paucis, laxe cohærentibus monostichis efformatis; peritheciis globulosis $^1/_4$ mill. diam., nigris, nitidis, ostiolis cylindraceis perithecium subæquantibus, modice convergentibus erumpentibusque; perithecii contextu sinuose parenchymatico fuligineo; ascis cylindraceis sessilibus, 45–50 × 8, utrinque obtusiusculis, aparaphysatis, octosporis; sporidiis distichis botuliformibus, 12–14 × 3, utrinque obtusis 1-guttulatisque perfecte hyalinis.

Hab. In ramulis corticatis Punicæ Granati *a Conegliano*, aut. 1877, socia *Cytispora punica* nov. sp., ejus spermogonio, sic definienda: peritheciis subcutaneis, globulosis, laxe congregatis, ostiolis vix convergentibus cylindraceis, perithecio sublongioribus; contextu regulariter parenchymatico, fuligineo; spermatiis botuliformibus, 5 × 1, hyalinis, basidiis bacillaribus duplo triplove longioribus suffultis.

26. **Valsa** (Eutypella) **Sorbi** (Schmidt) Fr. Summa p. 411.

Hab. in ramis corticatis Sorbi domesticæ prope *Conegliano*, æstate, 1878 (Spegazzini).

Obs. Acervuli mediocres, disco ostiolorum subrotundo nigro peridermium perforante. Asci clavati longe stipitati apice tunica incrassata truncati, 140–150 × 7 ½–10, octospori. Sporidia botuliformia, 6–8 × 2–2 ½, 2-guttulata, dilute olivascentia.

27. **Calosphæria tædiosa** Sacc. Peritheciis in acervulos depresse conoideos, epidermide tumidula velatos hinc inde congregatis, globulosis, ⅓ mill. diam., nigris furfure corticali fulvo sæpe adspersis, tandem basi concavo-collabescentibus; ostiolis cylindraceis perithecium subæquantibus, in disculum minutum nigrum epidermidem perforantem oblique convergentibus; ascis clavatis, apice tunica crassa integra obtusis, truncatisque, basi breve sed acute attenuatis, 80–90 × 14–16, paraphysibus crasse filiformibus, septatis asco duplo longioribus obvallatis; sporidiis octonis, di-tri-stichis, ægre maturescentibus, botuliformibus, curvis, utrinque rotundatis, 16–20 × 2–3, granulosis, hyalinis, corpusculis spermatioideis botuliformibus copiosissimis, perexilibus, 3–4 × ½–¾, hyalinis undique obrutis.

Hab. in Alni incanæ et glutinosæ ramis emortuis *a Selva* et *Vittorio*, autumno, 1873–74, rarius.

Obs. Ob sporidia octona majuscula spermatiis obruta a speciebus a cl. Nitschke, Fuckel et Karsten descriptis optime distinguenda. Forte *Cal. consobrina* Karst. Fenn. II. 158 huic magis affinis est, sed secundum descriptionem l. c. ascis duplo brevioribus, et tantum spermatiophoris recedit.

Sect. 2. Hyalosporæ Sacc.

28. **Cryptosporella aurea** (Fckl.) Sacc. *Cryptospora aurea* Fckl. Symb. 193. *Valsa rutila* Tul. *Valsa amygdalina* Cooke.

Hab. in ramulis Carpini Betuli *a Conegliano*, Apr. 1878 (Spegazzini).

Obs. Stroma atque discus amœne crocata. Asci cylindraceo-clavati 150 × 14, p. s. 130 lga., octospori, aparaphysati; sporidia oblique monosticha, oblongo-amygdaliformia 22–25 × 9–10, nubilosu, hyalina.

29. **Cryptosporella hypodermia** (Fr.) Sacc. Mich. I. 30. *Cryptospora hypodermia* (Fr.) Fckl. Symb. Mycol. p. 192. *Sphœria hypodermia* Fr.

Hab. in ramis corticatis Ulmi campestris *a Conegliano*, Nov. 1876.

Obs. Asci cylindraceo-clavati, sessiles, 100-110 × 15–18, aparaphysati, octospori; sporidia cylindraceo-fusoidea v. cylindraceo-clavata, disticha v. oblique monosticha, 35–55 × 6 $^1/_2$–8 $^1/_2$, nubilosa v. 1–guttulata, hyalina.

30. **Læstadia Veneta** S. & S. Michelia III. pag. 351 *L. cylindrasca.

Hab. in foliis languidis Platani orientalis *a Conegliano*, Sept. 1877 (Spegazzini).

Obs. Perithecia diam. 150 micr., ostiolo 30 diam.; contextu laxe parenchymatico fuligineo. Asci cylindracei, 75–80 = 5–6, aparaphysati, octospori. Sporidia monostica, oblongo-limoniiformia, 12–15 × 3–4, 2-guttulata hyalina. A typo præcipue ascis cylindraceis angustis diversa. In forma typica sporidia tandem prope basim (ex interruptione plasmatis) spurie septata fiunt, quo charactere ad *Apiosporam* nutant.

31. **Physalospora minutula** S. & S. Peritheciis hinc inde gregariis, epidermide velatis, punctiformibus, globoso-lenticularibus, 150–160 micr. diam., ostiolo 20 micr. diam. pertuso, vix papillato; perithecii contextu

parenchymatico, atro, coriaceo-membranaceo; ascis cylindraceo-clavatis, 60 × 10–12, breve noduloso-stipitatis, apice tunica integra obtusatis, aparaphysatis, octosporis; sporidiis distichis, ovoideo-navicularibus, 12–16 × 4–6, 1–2-guttatis, hyalinis.

Hab. in caulibus emortuis Euphorbiæ Cyparissiæ *a Conegliano,* Majo 1877, socia *Phoma cyclospora* sp. nov. (forte stat. spermogon. Physalosporæ) sic definienda: Peritheciis lenticularibus, subcutaneis, distincte et firme parenchymaticis, pertusis; spermatiis globulosis v. quandoque obtuse angulosis 1–3-pluriguttatis, 5 ½–6 ½ micr. diam., hyalinis, basidiis cylindraceis, 5 × 1 ½; facillime deciduis fultis.

CERATOSTOMELLA Sacc. nov. gen. Perithecia et asci Ceratostomatis. Sporidia continua, *hyalina.*

32. **Ceratostomella vestita** Sacc. Peritheciis sparsis, subsuperficialibus, globulosis, ⅓–½ mill. diam., pilis tortuosis, septulatis, 200–250 × 3, laxe vestitis, in ostiolum cylindraceum denudatum, perithecium subæquans desinentibus; contextu distincte parenchymatico fuligineo; ascis cylindricis, 50–55 × 4, apice obtusis, breve stipitatis aparaphysatis, octosporis; sporidiis monostichis ellipsoideis, 6 × 3 ½–4, sæpe inæquilateralibus, distincte 2-guttulatis, hyalinis.

Hab. in ligno fagineo putri, denigrato, socia *Bispora pusilla* Sacc., *a Selva,* Sept. 1878.

Obs. A *Ceratostomate Notarisii* Sacc. habitu subsimili pluribus notis differt.

33. **Ceratostomella cirrhosa** (Pers.) Sacc. *Sph. cirrhosa* Pers., Curr. Simpl. Sphær. fig. 72, * **C. lejocarpa**: peritheciis laxe gregariis, ligno infossis, globulosis. ⅓ mill. d., nigris, contextu minute parenchymatico, solido, ostiolis cylindricis, exertis, glabris ½–¾ mill. longis; ascis cylindricis subsessilibus, 75–85 × 6, apice lumine 2-crenulato, rotundatis, aparaphysatis, octosporis; sporidiis oblique monostichis, ovoideo-oblongis utrinque rotundatis, 9–11 × 4 ½ 5, nubilosis v. 2-guttulatis, hyalinis (rarissime extra ascos obsolete 1–3-septatis).

Hab. in ligno putri fagineo in sylva *Cansiglio*, Aug. 1878.

Obs. A typo imprimis ostiolis glabris, ascis angustioribus diversa.

34. **Ceratostoma rostratum** (Tode) Fckl. Symb. mycol. p. 127 *Sphæria rostrata* Tode Mekl.

Hab. in ligno fagineo putri in sylva *Cansiglio*, Aug. 1874 et 1878.

Obs. Perithecia subsuperficialia gregaria, globosa $^3/_4$ mill. d. conspicue tuberculata, carbonacea, in ostiolum filiforme 4–5 mill., longum, teres producta. Nucleus plasmate granuloso farcto, sed asci nulli.

Sect. 3. **Phæosporæ** Sacc.

35. **Ustulina vulgaris** Tul., Sacc. Mycol. Ven. pag. 153.

Obs. Ad hanc speciem pertinet, tamquam status conidiophorus, *Corticium* (Coniophora) *puteanum* Sacc. Michelia I. 5. Mycotheca Veneta n. 799. et verisimiliter Friesii Elench. I. 194. Talis status exacte describitur et depingitur a cl. Tul. Carp. II. pag. 23 t. III. fig. 1–6.

36. **Rosellinia protuberans** Karst. Mycol. Fenn. II. 49.

Hab. in ligno putri decorticato Corni sanguineæ in sylva *Montello*, aut. 1877.

Obs. Perithecia gregaria, ligno basi insculpta, amphisphærioidea, initio furfure griseo obducta. Asci cylindrici, 110 × 5–6, p. s. 60–65 × 5–6, apice tunica integra rotundati, pseudoparaphysibus guttulatis obvallati; sporidia oblique monosticha, navicularia, 8–10 = 4–5, utrinque acutiuscula, 2-guttulata, fuliginea.

37. **Rosellinia Desmazierii** (B. & Br.) Sacc. *Sphæria Desmazierii* B. & Br., Cke Hndb. pag. 854. Curr. Simpl. Sph. t. 57. fig. 2.

Hab. in basi putrescente trunci Philadelphi coronarii, *a Selva*, Sept. 1878.

Obs. l. Magna et nobilis species. Perithecia dense gregaria, usque $1^1/_2$ mill. d. subiculo pannoso-setoso

conidiophoro insidentia. Asci cylindrici prælongi, stipitati, 300 × 10, stipite 80–100 lgo, apice tunica conspicue incrassata rotundati, paraphysibus filiformibus ascos superantibus, guttulatis obvallati, octospori; sporidia laxe recte monosticha, anguste fusoidea, curvula, 38–45 × 8, utrinque obtusiuscule attenuata, regulariter 7–9-guttata, fuliginea. Subiculum sistit *Graphium Desmazierii* nov. spec. sic definiendum: Effusum, setoso–velutinum, fuligineum; stipitibus erectis, 450 × 40, ex hyphis pluribus septulatis fuscis conflatum; hyphis superioribus expanso–paniculatis, ramulosis, subhyalinis, ramulis minute flexuoso-denticulatis conidiophoris; conidiis ovoideis, 3–4 × 2–2½, hyalinis.

Obs. II. Huic speciei ob perithecia grandia et sporidia fusoidea accedit *Rosellinia bunodes* (B. & Br.) Sacc. seu *Sphæria bunodes* B. & Br. Fung. of. Ceyl. n. 1088. pag. 125 t. 8. fig. 38., quæ a *Rosellinia Beccariana* Ces. Not. bot. pag. 12. t. II. fig. A. distingui nequit.

38. **Rosellinia chordicola** Sacc. Peritheciis sparsis, subsuperficialibus globoso-conoideis, ½ mill. diam., levibus, nigris, papillatis, circa ostiolum setulis 25–30 × 3, eseptatis, aterrimis ornatis; perithecii contextu parenchymatico fuligineo; ascis cylindricis, 80–90 × 8, apice rotundatis, breve stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis, ellipsoideis, 8–10 × 6–7, fuligineis, eguttulatis.

Hab. in chorda putrescente dejecta in Horto Patavino, vere 1877.

Obs. A *Rosellinia ambigua* Sacc. peritheciis sparsis duplo majoribus, sporidiis angustioribus, non 2–guttatis, matrice aliena etc. differt.

39. **Rosellinia rhombispora** Sacc. Peritheciis subsuperficialibus, sparsis, globulosis, ½ mill. diam., breve papillatis, levibus, carbonaceis, nigris, contextu prosenchymatico fuligineo; ascis... resorptis; sporidiis rhomboideo-limoniiformibus, utrinque acutiusculis, 25 × 16–18, minute (ut videtur) asperulis, crasse 1–guttatis, opace fuligineis.

Hab. in tuberculis putrescentibus erraticis Cyperi esculenti ad ripas fl. Padi prope *Sermide*, in prov. Mantuæ, Majo 1877 (C. Magnaguti–Rondinini).

Obs. Formâ peculiari sporidiorum facile dignoscenda species.

40. **Chætomium calvescens** Sacc. Michelia II. 123.

Hab. in fragmento ligneo abietino *a Conegliano*, æstate 1878 (Spegazzini). *Obs.* Cum speciminibus berolinensibus perfecte quadrat.

41. **Sordaria minima** S. & S. Peritheciis subsuperficialibus e globoso conoideis, 100–150 micr. d., levibus, glabris, nigris, ostiolo obtuse papillato; perithecii contextu tenui, minute areolato, fuligineo; ascis cylindraceis breve stipitatis, apice rotundato-truncatis, 50–58 × 5–6, paraphysibus nullis visis, octosporis; sporidiis oblique monostichis ovoideis v. subellipsoideis, 8 × 4, fuligineis (eguttulatis visis).

Hab. in fimo vaccino in sylva *Cansiglio*, socia *Sporormia fimetaria*, Aug. 1878.

Obs. Minutie peritheciorum sporidiorumque a ceteris speciebus mox dignoscitur.

42. **Sordaria lanuginosa** (Pr.) Sacc. Mich. I. 26. ***S. culmigena** S. & S. Peritheciis sparsis superficialibus, globoso-conoideis, vix $^1/_2$ mill. d., molliter atro-villosis; ascis cylindraceo–clavatis, 180–200 × 25, breve stipitatis, paraphysatis, octosporis; sporidiis monostichis initio lasiosphæriaceis hyalinis, dein ovoideis, 35–40 × 18, 1–guttatis fuligineis, caudâ longissimâ 80–100 × 4–5 hyalinâ, quandoque 1–septatâ utrinque auctis.

Hab. in culmis Arundinis Donacis putridis *a Conegliano*, Iulio 1878.

Obs. A typo appendiculis sporidiorum plusquam duplo longioribus imprimis differt.

43. **Sordaria fermenti** (Fckl.) Wint. Sord. pag. 21. ***S. phyllogena** Sacc. Peritheciis in pagina inferiore foliorum putridorum gregariis, superficialibus, $^1/_3$ mill. diam., globoso-conoideis, regularibus, levibus, glabrisque; contextu distincte parenchymatico fuligineo; ascis cylindricis, 115–130 × 18, apice lumine 2–foveolato

rotundatis, breve stipitatis, 8sporis; sporidiis globoso-ellipsoideis, 20–22 = 17, initio olivaceis strato angusto mucoso obductis, dein atrofuligineis, crasse 1–guttatis.

Hab. in pag. inf. foliorum putrium Populi albæ *a Vittorio,* Oct. 1877.

Obs. A typo præcipue differt peritheciis regularibus, levibus etc.

44. **Anthostomella Tomicum** (Lév.) Sacc. Fungi Ven. Ser. IV. 1. *Sphæria Tomicum* Lév. Ann. S. N. 1848. pag. 144. Cooke IIndb. pag. 894.

Hab. in foliis putrescentibus Typharum prope Patavium, Martio 1878.

Obs. Perithecia innata, epidermide circum circa nigrificata tecta, ostiolo perforante obtusiusculo. Asci cylindracei, apice rotundati, subsessiles, 100–115 = 15–18, octospori. Sporidia monosticha, ovoideo-oblonga, sæpe inæquilateralia, 15–16 = 8–9, 1–guttata, fuliginea, mutica.

45. **Anthostomella phæosticta** (Berk.) Sacc., *Sphæria phæosticta* Berk. Cke IIndb. pag. 899, Curr. Simpl. Sph. t. 59. fig. 127. *Leptosphæria phæosticta* Awd. in Mycol. Europ. t. 11. fig. 154.

Hab. in foliis putridis Arundinis Donacis *a Conegliano*, Ian. 1878 (Spegazzini).

Obs. Perithecia minuscula, $^1/_5$ mill. d. globoso-depressa, innata, ostiolo papillato vix erumpente, epidermide circum circa atro-inquinata. Asci cylindracei breve stipitati apice rotundati, 45–60 = 4, paraphysibus filiformibus obvallati, octospori; sporidia oblonga, curvula, utrinque rotundata, 7–8 = $3^1/_2$, sæpe 1–2–guttulata, olivaceo–fusca.

Sect. 4. **Didymosporæ** Sacc.

46. **Amphisphæria ericeti** S. & S. Peritheciis sparsis v. subgregariis, superficialibus, basi ligno insculptis, conoideis, $^1/_3$ mill. diam., quandoque subcompressis, nigris, nitidissimis, ostiolo obtuse rotundato vix pervio;

contextu coriaceo-carbonaceo, denso; ascis cylindraceis, 85–100 ≈ 15, apice, lumine angustato, rotundato, breve crassiuscule stipitatis, paraphysibus filiformibus, sæpe ramulosis obvallatis, octosporis; sporidiis oblique monostichis v. distichis, biconicis, medio constrictis, 18–20 ≈ 7–8, 2– v. indistincte 4–nucleatis, strato mucoso obductis, hyalinis.

Hab. in ramis emortuis Callunæ vulgaris *a Conegliano,* vere 1878 (Spegazzini).

47. **Amphisphæria Passerinii** S. & S. *Lophiostoma angustilabrum* Pass. in herb. Thüm. (*Lophiostomei* n. 4), non B. & Br. Peritheciis sparsis, initio peridermio tumidulo velatis, dein eo secedente superficialibus, ligno nigrificato adnatis, globoso-depressis, majusculis $^1/_2$–$^3/_4$ mill. diam., obtuse papillatis, perforatis, contextu carbonaceo atro; ascis cylindricis deorsum attenuato-stipitatis p. s. 150–180 ≈ 10–11, stipite 50–60 lgo, apice rotundato, obturaculo jodo intense cœrulescente, paraphysibus copiosis guttulatis obvallatis, octosporis; sporidiis monostichis, oblongo-didymis, 22–23 ≈ 8–9, leniter constrictis, initio hyalinis, dein roseo-fuscis, denique fuligineis, 2–guttatis v. 2–nucleatis.

Hab. in ramis emortuis Ulicis europæi *a Parma* ubi legit cl. prof. G. Passerini et ad cl. Thuemen misit.

Obs. Ab *A. pseudo-umbrina* Sacc., *A. Petrucciana* Cald. aliisque affinibus rite diversa.

48. **Didymosphæria diplospora** (Cooke) Sacc. *D. Rubi* Fckl. Symb. 141. (1869). *Sphæria diplospora* Cke in Seem Journ. (1866) t. 45. fig. 7.

Hab. in sarmentis emortuis Rubi fruticosi in sylva *Montello,* aut. 1877.

Obs. Perithecia gregaria innato-erumpentia, globulosa, exquisite papillata, minuta, nigra; asci cylindracei apice rotundati, 100–110 ≈ 10–11, breviter stipitati, octospori; sporidia oblique monosticha ovato-biconica, utrinque acutiuscula, 1–septata, non constricta, 15–20 ≈ 8–10, olivaceo-fuliginea.

49. **Didymosphæria pulchella** S. & S. Peritheciis

globulosis, ultra $^1/_2$ mill. diam., papillatis, initio subcutaneis; ascis cylindraceis, 100–150 × 10–13 apice obtusis, lumine truncato minuteque 1-foveolato, paraphysibus filiformibus obvallatis, octosporis; sporidiis monostichis v. partim distichis, oblongis, constricto-1-septatis, 20 × 8, olivaceo-fuligineis.

Hab. in ramulis sub cortice denigratis Aceris Negundinis *a Conegliano*, vere 1878 (Spegazzini).

Obs. Ab affini *Did. subtecta* (Awd.) certe distinguenda.

50. **Didymosphæria** (Didymella) **exigua** Niessl. N. Kernp. Ser. I. pag. 165.

Hab. in caulibus Verbenæ officinalis & Stenactidis annuæ *a Conegliano*, vere 1877.

Obs. Asci clavati, breve stipitati, apice obtusati, 45–50 × 7–10, parce paraphysati, octospori. Sporidia disticha, fusoidea, constricto-1-septata, recta curvulave, 13–16 × $3^1/_2$–$4^1/_2$, 4-guttulata, v. 2-nucleata, hyalina.

51. **Didymosphæria** (Didymella) **exigua** Niessl N. Kernp. pag. 165. ***D. nemoralis.** Peritheciis in maculis foliorum decoloratis, ochraceo-marginatis, epiphyllis, paucis, globoso-lenticularibus innato-erumpentibus, 90–100 micr. diam. pertusis; ascis cylindraceo–clavatis, apice rotundatis, 50 × 8, paraphysibus filiformibus obvallatis, 8sporis; sporidiis distichis oblongis v. subfusoideis, 12–15 × 4, constricto-1-septatis, quandoque curvulis, hyalinis.

Hab. in foliis languidis Hyperici Androsæmi *a Selva*, aut. 1876.

52. **Didymosphæria** (Didymella) **lophospora** S. & S. Peritheciis dense gregariis, epiphyllis, cuticula velatis, prominulis, globulosis, vix papillatis, $^1/_8$ mill. diam., contextu parenchymatico solidiusculo, fuligineo; ascis crasse clavatis, 65–75 × 12, p. s. 50 × 12, deorsum tenuiter stipitatis, paraphysibus filiformibus copiosis obvallatis, octosporis; sporidiis distichis, cylindraceo-fusoideis, 16–17 × 5–6, rectis curvulisve, medio distincte constrictis, 1-septatis, utrinque obtusatis atque appendiculâ

obtusâ latiusculâ subpenicillatâ auctis, 4-guttulatis, hyalinis.

Hab. in pagina superiore frondis emortuæ Pteridis aquilinæ prope *Conegliano*, Oct. 1877.

53. **Didymosphæria** (Didymella) **culmigena** Sacc. Peritheciis laxe seriatim gregariis, innato-prominulis, globuloso-lentiformibus, 90–110 micr. diam. poro 20 micr. diam. pertusis, basi sæpe hyphulis ramosis fuligineis cinctis; contextu rufo-fuligineo parenchymatico; ascis cylindraceo-clavatis, 55–65 × 8–10, breviter stipitatis, apice tunica integra rotundatis, paraphysibus crassiusculis (spuriis?) obvallatis, octosporis; sporidiis distichis, fusoideis, curvatis, 15–17 × $3^1/_2$–$4^1/_2$, utrinque acutiusculis, initio varie guttulatis, dein plasmate bipartito spurieque 1–septatis. non constrictis, hyalinis.

Hab. in culmis vaginisque Sorghi *a Selva*, aut. 1873, nec non Triticorum *a Vittorio*, Oct. 1877, *a Conegliano* Aug. 1878, et a *Sermide, Mantova,* Majo 1877 (Com. A. Magnaguti-Rondinini).

Obs. I. Tamquam statum immaturum *Leptosphæriæ culmicolæ* diu habui, sed iterum iterumque observata, ut distinguendam propono.

Obs. II. Didymosphæriæ sporidiis prorsus hyalinis utentes ideoque ad Sphærellas accedentes sub genere proprio (*Didymella*) seponi posse videntur. Huc igitur: *D. effusa* Niessl, *D. cladophila* Niessl, *D. exigua* Niessl. *D. Cadubriæ* Sacc. etc.

54. **Sphærella Zeæ** Sacc. Maculis in foliis adhuc vivis irregularibus arescendo candicantibus, ochraceo-marginatis; peritheciis in media macula gregariis numerosis punctiformibus lenticularibus, pertusis, 120–130 micr. diam.; contextu laxe parenchymatico; ascis cylindraceo-clavatis, deorsum acutatis, apice obtusiusculis, 80 × 14, octosporis, aparaphysatis; sporidiis distichis, oblongo-fusoideis, constricto-1-septatis, curvulis, utrinque obtusiusculis, 20 × 7–8, loculo superiore paulo crassiore, 4– (raro pluri-) guttulatis hyalinis.

Hab. in foliis adhuc vivis Zeæ giganteæ (Caragua) cultæ, *a Vittorio,* Oct. 1877.

Obs. Ascis sporidiisque fere duplo majoribus a *Sphærella Maydis* Pass. recedit. In hac asci 45-55 ≈ $7^1/_2$-$8^1/_2$; sporidia 15–16 ≈ $3^1/_2$–4, medio minus constricta; peritheciorum contextus densius parenchymaticus. *Sphærella paulula* Cke Grev. n. 40 pag. 146 nostris adhuc minor est.

55. **Sphærella nemorosa** S. & S. Maculis in foliis sordide ochraceis, fusco-cinctis, obtuse angulosis; perithecis epiphyllis paucis, punctiformibus, lenticularibus, 100 micr. diam., poro 25–micr. diam. pertusis; contextu parenchymatico dilute fusco-olivaceo; ascis oblongo-clavatis, 40–45 ≈ 13–14, subsessilibus, apice truncatis, aparaphysatis, octosporis; sporidiis distichis, biconicis, 14 ≈ 5, 1–septatis, non constrictis, 4–guttulatis v. 2–nucleatis, hyalinis.

Hab. in foliis languidis Orobi verni *a Conegliano*, aut. 1877.

56. **Sphærella umbrosa** Sacc. Maculis in foliis arescendo candicantibus, vagis; perithecis paucis epiphyllis, punctiformibus, lenticularibus, 100 micr, diam., poro pertusis; contextu laxe parenchymatico, ochraceo, ascis cylindraceo-clavatis 40 ≈ 10, breve stipitatis, apice rotundatis, octosporis, aparaphysatis; sporidiis distichis oblongo-fusoideis, rectis, 14–15 ≈ 4, constricto–1–septatis, 2–nucleatis, hyalinis.

Hab. in foliis nondum emortuis Galeopsidis versicoloris *a Selva*, Aug. 1873, sociis spermogoniis *Phyllostictam Galeopsidis* Sacc. (Mich. II. 150) sistentibus.

57. **Sphærella Fagi** Awd. in Mycol. Eur. pag. 6. t. II. fig. 19–20. *Sphærella Atomus* plur. auct. non Dmz.

Hab. in foliorum languidorum Fagi sylvaticæ pagina inferiore prope *Conegliano*, vere 1877 (Spegazzini).

Obs. Perithecia vere punctiformia. Asci cylindracei, 40–45 ≈ 5, subsessiles, apice rotundati; sporidia disticha v. oblique monosticha oblonga, 7–8 ≈ 2–$2^1/_2$, constricto–1–septata, utrinque obtusiuscula, hyalina.

58. **Sphærella Ariadna** Sacc. in Michel. I. 34. *Tormentillæ.

Hab. in foliis languidis Tormentillæ erectæ in sylva *Montello*, Aug. 1873.

Obs. Maculæ pallidæ, rufo-cinctæ. A typo vix differt sporidiis curvulis, septo minus constrictis.

59. **Sphærella verna** S. & S. Peritheciis dense et late gregariis, hypophyllis, punctiformibus, lenticularibus, 100 micr. diam., poro pertusis; ascis crasse cylindraceis breve stipitatis, 45–50 × 13, 8sporis; sporidiis oblongo-clavulatis, 22 × 5, lenissime constrictis, hyalinis.

Hab. in pagina inferiore, quæ cinerascit, Forsythiæ viridissimæ *a Conegliano*, Martio 1877 (Spegazzini).

Obs. Subaffinis *Sphærellæ crassæ* Awd.

60. **Sphærella elatior** S. & S. Peritheciis sparsis, hypophyllis, globoso-conoideis, subprominulis, $^1/_5$ mill. diam.; contextu parenchymatico densiusculo, fuligineo; ascis obclavatis, brevissime stipitatis, 80–90 × 23, apice tunica integra obtusatis, aparaphysatis, octosporis; sporidiis distichis et parte inferiore subtristichis oblongis subclavulatisque, 25–30 × 8–9, rectis curvulisve, 1-septatis, vix constrictis, 4-guttulatis, dein 2-nucleatis, hyalinis.

Hab. in pagina inferiore foliorum putrescentium Liriodendri Tulipiferæ *a Conegliano*, vere 1877.

Obs. Ob sporidia et perithecia majuscula ad *Sphærellam Primulæ* Rehm Ascom. n. 295 accedit, sed ceterum differt.

61. **Sphærella Gibelliana** Pass. in Thüm. Diagn. zu Myc. Univ. Cent. IV.–VI. pag. 5.

Hab. in foliis languidis Citri Limonii *a Conegliano*, Majo 1877 (Spegazzini).

Obs. Asci subclavati 40 × 6, breve stipitati, aparaphysati, 8spori. Sporidia oblonga utrinque obtusiuscula, constricto-1-septata, 12 × 3, granulosa hyalina. Perithecia lentiformia, 100–150 micr. diam. poro 10–15 diam. pertusa.

62. **Sphærella collina** S. & S. Peritheciis in foliis totis

dealbatis gregariis amphigenis, sed plerumque epiphyllis; peritheciis innato-erumpentibus, lentiformibus, 200 micr. diam., pertusis, contextu membranaceo exquisite parenchymatico; ascis cylindraceo-clavatis 45–50 ≈ 10–11, brevissime noduloso-stipitatis, aparaphysatis, octosporis; sporidiis distichis, oblongis, 13 ≈ 5, constricto–1–septatis, loculo superiore crassiore, hyalinis.

Hab. in foliis emortuis Loniceræ Xylostei *a Colfosco,* Jan. 1878.

Obs. A *Sph. Clymenia* Sacc. longe diversa.

63. **Sphærella topographica** S. & S. Peritheciis hypophyllis, hinc inde dense disseminatis, punctiformibus, epidermide initio velatis, globoso–lenticularibus, poro pertusis, $^1/_{10}$ mill. d., contextu subcarbonaceo, atro, ascis cylindraceo-clavatis 70–75 ≈ 8–10, breve stipitatis; apice tunica incrassata integra rotundatis, aparaphysatis, octosporis; sporidiis 2–3–stichis, elongato–fusoideis, 28–30 ≈ $3^1/_2$–4, curvulis, 1–septatis vix constrictis, utrinque acutiusculis, hyalinis.

Hab. in foliis languidis Sorbi torminalis, ubi minimas urbium topographias æmulatur, prope *Conegliano,* vere 1878, socia *Septoria hyalospora* (Mont. & C.) Sacc. ejusdem probabili spermogonio.

Obs. A *Sphærella cinerascente* Fuck. valde differt.

64. **Sphærella Pteridis** (Dmz.) DNtrs Sfer. ital. fig. 99. Awd. Sphærell. in Mycol. Europ. p. 19. fig. 82.

Hab. in frondibus emortuis Pteridis aquilinæ *a Conegliano,* Martio 1876.

Obs. Asci crasse cylindracei 55–60 ≈ 10–12, crassiuscule tunicati, inferne abrupte breveque stipitato-nodulosi, aparaphysati. Sporidia 25–30 ≈ 3–4, anguste fusoidea, 1–septata, vix constricta, curvula, minute 4-guttulata, hyalina.

65. **Sphærella sylvatica** S. & S. Maculis in foliis nullis obsoletisve; peritheciis dense et late gregariis, plerumque epiphyllis, lenticularibus, punctiformibus, poro pertusis; ascis cylindraceis breve stipitatis, 50–55 ≈ 10, apice rotundatis, aparaphysatis, 8sporis; sporidiis distichis oblongo-clavulatis, 12–14 ≈ 4, rectis, valde con-

strictis, 1-septatis, loculo superiore crassiore, 2-guttulatis, hyalinis.

Hab. in foliis emortuis Scabiosæ sylvaticæ in collibus *di Conegliano*, aut. 1877.

66. **Sphærella minor** Karst. Mycol. Fenn. II. 171.

Hab. in caulibus putrescentibus Galii sylvatici *a Conegliano*, Majo 1877.

Obs. Asci obclavato-ovoidei, 20–25 × 14, brevissime crasse stipitati, apice breve obtuseque attenuati, 8spori, aparaphysati. Sporidia tristicha, oblongo-clavulata, 8–10 × 3, 1-septata, vix constricta, hyalina.

67. **Sphærella leptasca** Awd. in Mycol. Eur. pag. 15. fig. 64.

Hab. in caulibus putrescentibus Torilis Anthrisci *a Conegliano*, Majo 1877 (Spegazzini).

Obs. Perithecia sparsa, subcutanea, punctiformia, globoso-lenticularia, 80–90 micr. diam., poro pertusa. Asci cylindracei, 40 × 50 × 6, breviter stipitati, aparaphysati, octospori. Sporidia oblique 1-sticha v. 2-sticha, oblongo-fusoidea, constricto-1-septata, 11–12 × $2^1/_2$–3, 4-guttulata, hyalina. Adest simul spermogonium **Septoriam leptideam** Sacc. sistens: peritheciis lenticularibus, ascophoris similibus; spermatiis bacillari-filiformibus, curvulis, 20–22 × 1, continuis, vix guttulatis, hyalinis. Hæc *Septoriæ Nebulæ* Sacc. (Mich. II. 193) affinis, sed certe distinguenda.

68. **Microthyrium microscopicum** Dmz., Sacc. M. V. n. 157. *Sphærella Buxi* Sacc. Mycol. Ven. pag. 93. t. IX. fig. 47.

Hab. in sarmentis corticatis Rubi cæsii *a Conegliano*, Majo 1877 (Spegazzini), in foliis Lauri nobilis, Buxi sempervirentis etc.

Obs. Perithecia dimidiata, scutiformia, margine fimbriata. Asci oblongo-clavati 25–30 × 7–9, subsessiles, apice tunica integra obtusati, octospori, aparaphysati. Sporidia di-tristicha ovato-fusoidea, subinæquilateralia, 8–10 × 3–$3^1/_2$, sæpius 2-guttata, hyalina, tandem infra medium obsolete 1-septata. Rarius asci 4-spori observantur ut in icone. Mycol. Ven. l. c. (sporid. immat.)

69. **Venturia ilicifolia** Cke IIndb. 924, fig. 398.

Hab. in foliis dejectis Ilicis balearicæ in Horto botanico Patavino, Febr. 1878 (Spegazzini).

Obs. Perithecia subsuperficialia globulosa, 90–100 micr. diam., poro pertusa, setulis parvis, 50–60 = 5, fuligineis conspersa. Asci et sporidia nondum evoluta.

70. **Venturia chlorospora** (Ces.) Karst. Sacc. F. V. ser. VI. 33. Observavi formas sequentes, præter formam quercinam l. c. descriptam satis distinctaquæ.

1. *Salicis vitellinæ:* ascis cylindraceo-obclavatis, subsessilibus, 45–50 = 14–15; sporidiis didymis 15–16 = 6, chlorinis.
2. *Pruni Cerasi:* ascis angustioribus et longioribus 75 = 12, sporidiis 12–14 = 6.
3. *Sorbi aucupariæ:* ascis 50 = 13; sporidiis 12–15 = 5 $^1/_2$–7.

Obs. In caulibus emortuis Equiseti hyemalis cl. Spegazzini *Venturiæ* speciem legit sterilem, quam ad interim **Venturiam ripariam** voco: peritheciis superficialibus, globosis, aterrimis $^1/_{10}$–$^1/_8$ mill. d., subastomis, setulis 40–60 = 3–4 fuligineis laxe vestitis contextu subcarbonaceo, atro.

71. **Gnomonia tetraspora** Wint. in Hedw. 1872.

Hab. in caule putrescente Euphorbiæ Cyparissiæ *a Conegliano,* Majo 1877 (Spegazzini).

Obs. Perithecia ostiolo breve rostellato, parum emergente instructa, 250 diam., contextu tenui-membranaceo olivaceo-fusco, apice densiore. Asci cylindracei, 45–50 = 8, breve stipitati, tetraspori; sporidia oblonga, constricto-1-septata, 14 = 5–6, 4-guttulata, hyalina.

72. **Gnomonia erythrostoma** (Pers.) Awd. in Mycol. Europ. Pyren. p. 26 fig. 127.

Hab. in foliis Pruni Cerasi adhuc pendulis immatura, in putrescentibus maturescens, *a Conegliano* vere et autumno 1878 (Spegazzini).

Obs. Perithecia innato-erumpentia, brevi-rostellata, contextu rufescente, parenchymatico, ostiolo prosenchymatico. Asci cylindracei, 100–110 = 12–15, breviter stipitati, apice lumine bifoveolato, obtusati, aparaphy-

sati, octospori; sporidia disticha, oblongo-cylindracea, utrinque rotundata, infra medium spurie 1–septata, non constricta, 4–guttulata, hyalina.

73. (*) **Diaporthe** (Tetrastagon) **dubia** Nke Pyr. Germ. p. 316.

Hab. in cortice ramulorum Aceris Negundinis *a Conegliano*, aut. 1877 (Spegazzini).

Obs. Perithecia nunc corticolæ, nunc ligno semiinfossa, $^1/_2$ mill. diam. ostiolo papillato vix excedente; asci fusoidei, basi acutiores, 50–60 ≈ 8–9; sporidia disticha, fusoidea, medio non v. vix constricta, 12–14 ≈ 4–5, 4-guttulata, hyalina. *Diaporthe Lebiseyi* (Dmz.) Niessl Beitr. p. 54 vere diversa est. An *Phoma Lebiseyi* Sacc. huic vel *D. dubiæ* pertineat statuere nequeo.

74. **Diaporthe** (Tetrastagon) **Veneta** S. & S. Stromate ramulos corticatos hinc inde ambiente et varie marmorante, linea stromatica endoxyla nulla; perithecis cortice nidulantibus, globulosis, $^1/_4$ mill. diam., ostiolo papillato peridermium vix excedente; ascis fusoideis, aparaphysatis, octosporis; sporidiis distichis, oblongis, 13–17 ≈ 3, constricto-1-septatis, curvulis, 4–guttulatis, hyalinis.

Hab. in ramis corticatis Oleæ europææ *a Conegliano*, Martio 1877.

75. **Diaporthe** (Tetrastagon) **maculosa** S. & S. Stromate hinc inde caules corticatos breviter ambiente, hisque plagulas minutas versiformes, nigras afficiente; perithecis corticolis globoso-depressis, $^1/_3$–$^1/_4$ mill. diam., linea nigra stromatica circumdatis; ostiolis breve rostellatis; ascis crasse fusoideis, 40–45 ≈ 10–12, apice obtusiore, lumineque 2-foveolato, aparaphysatis, 8sporis; sporidiis 2–3-stichis, oblongo-fusoideis, rectis, 10–11 ≈ 3–4, 4-guttulatis, spurie 1-septatis, non constrictis, hyalinis.

Hab. in caulibus emortuis Rumicis obtusifolii,

(*) Hujus generis species jam numerosissimæ et in diem novis inventis continuo crescentes epicrisi nova et comparata maxime egent, qua peracta, earum numerus facile contrahi poterit. Interea formas distinguendas esse quam confundendas tutius existimavi.

a Conegliano, vere 1877. *Obs.* Stromate crebre et parvi-maculoso species facile dignoscenda.

76. **Diaporthe** (Tetrastagon) **insignis** Fckl. Symb. App. II. 36.

Hab. in cortice sarmentorum Rubi idæi *a Susegana*, Martio 1877 (Spegazzini) — *Obs.* Perithecia gregaria, corticolæ, ostiolo vix excedente, globulosa, epidermide hinc inde denigrata lineisque stromaticis nigris in peridermii superficie (vix per lignum) tortuose excurrentibus circumscripta. Asci fusoidei, 50 × 7–8; sporidia fusoidea, utrinque mutica et obtusiuscula non v. vix constricta, 12–14 × 3 $^1/_2$–4, 4-guttulata, hyalina. — *D. simulans* Sacc. F. V. IV. 11 peritheciis endoxylis præcipue differt.

77. **Diaporthe** (Tetrastagon) **Sophoræ** Sacc. F. Ven. Ser. V. 202 (St. spermog.).

Status ascophorus: Stromate ramos corticatos late ambiente coloreque nigro et cinereo inficiente, linea nigra intra lignum excurrente limitato, peritheciis gregariis, globulosis $^1/_3$ mill. diam., cortice nidulantibus, ostiolis peridermium parum excedentibus obtusiusculis; ascis fusoideis, 50–60 × 8–10, aparaphysatis, 8sporis; sporidiis distichis v. oblique monostichis, fusoideis, 12–15 × 5–6, constricto-1-septatis, 4-guttulatis, hyalinis.

Hab. in ramulis Sophoræ japonicæ *a Conegliano*, aut. 1877.

Obs. Status spermogonicus hujus speciei adest in Rabh. F. E. sub n. 2017 tamquam *Sphæriæ controversæ* Dmz. pertinens; sed hæc species, ut monuit cl. Ntschke, collectiva est ejusque forma primaria servanda est *Diap. controversa* (Dmz. p. p.) Nke in Fraxino excelsiore. Cfr. Fckl Symb. App. I. 31.

78. **Diaporthe** (Tetrastagon) **Spina** Fckl. Symb. mycol. 210 t. IV fig. 44.

Hab. in ramis corticatis Salicis capreæ *a Selva*, Aug. 1877.

Obs. Perithecia cortice vix mutato gregarie nidulantia, ergo species in subg. *Tetrastagon* nec *Euporthe* ut refert Fckl l. c. collocanda. Ostiola peridermium per-

forantia, et spinulose excedentia; asci crasse fusoidei, 35–40 × 15–16, deorsum acutiores, lumine apice 2-foveolato, aparaphysati, octospori, sporidia tristicha cylindraceo-fusoidea utrinque rotundata, 20 × 3–4, quadriguttulata, medio denique subconstricta atque 1-septata.

79. **Diaporthe** (Tetrastagon) **occidentalis** S. & S. Stromate ramos corticatos late ambiente et parum infuscante intra lignum linea nigra flexuosa limitato; peritheciis gregariis globulosis cortice nidulantibus, v. ligno basi infossis, $^1/_2$ mill. et ultra diam., ostiolis longiusculis, flexuosis, peridermium excedentibus; ascis clavato-fusoideis, 45-55 × 7-8, aparaphysatis, octosporis; sporidiis distichis, v. oblique monostichis, 12–14 × 3–4, ovato–oblongis, medio conspicue constrictis, septatisque, utrinque obtusiusculis, 4–guttulatis, hyalinis.

Hab. in ramis corticatis Gleditschiæ Triacanthi *a Conegliano*, Febr. 1877.

80. **Diaporthe** (Tetrastagon) **spissa** S. & S. Stromate obsoleto nullove; peritheciis dense gregariis, corticolis, globulosis, $^1/_3$ mill. diam., ostiolis breve excedentibus, rostellatis; ascis fusoideis, utrinque obtusiusculis, 40–45 × 7–8, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, fusoideis curvulis, 10–11 × 3 $^1/_2$, medio constrictis, utrinque obtusiusculis, 4-guttulatis, hyalinis.

Hab. in ramulis junioribus Catalpæ syringifoliæ *a Conegliano*, vere 1877.

81. **Diaporthe** (Tetrastagon) **mazzantioides** S. & S. Stromate cauli corticato plagulas minutas nigricantes hinc inde afficiente sed vix penetrante; peritheciis in quaque plagula paucis, subcutaneis, prominentibus, globosis, $^1/_3$ mill. diam. papillatis; ascis fusoideo-clavatis, basi acutioribus, 50–60 × 7–8, lumine apice 2-foveolato, aparaphysatis, octosporis; sporidiis distichis, fusoideis, utrinque obtusiusculis, 10–12 × 3–3 $^1/_2$, sæpius curvulis, 4–guttulatis, spurie 1–septatis, non v. vix constrictis, hyalinis.

Hab. in caule Galii sylvatici *a Conegliano*, vere 1877.

Obs. Habitu *Mazzantiam Galii* (Guep.) Mtgn æmulatur, sed pluribus notis diversa.

82. **Diaporthe** (Tetrastagon) **nobilis** S. & S. Stromate ramos corticatos late ambiente et infuscante, linea nigra tortuosa intra lignum limitato; peritheciis gregariis, majusculis corticolis, $^3/_4$ mill. diam., ostiolo vix emergente papillato; ascis clavato-fusoideis, utrinque obtusiusculis, 50 × 7, aparaphysatis, 8sporis; sporidiis oblique 1–stichis, fusoideis, rectis, constricto–1–septatis, 13–16 × 4, 4-guttatis, hyalinis, initio appendiculâ utrinque auctis.

Hab. in ramis corticatis Lauri nobilis *a Conegliano*, aut. 1877.

83. **Diaporthe** (Tetrastagon) **sarmenticia** Sacc. Stromate caules late ambiente, at superficie vix manifesto, intra lignum vero zona nigra tortuosa excurrente circumscripto; peritheciis gregariis, globosis, $^1/_3$ mill. diam., in cortice nidulantibus v. basi ligno insculptis ostiolis epidermidem nonnihil excedentibus; ascis oblongo-fusoideis, 45 × 7-8, utrinque obtusiusculis, aparaphysatis, octosporis; sporidiis inordinate distichis, oblongis, 10 × 4–5, constricto–1–septatis, utrinque subacutis, 4-guttulatis, hyalinis, strato mucoso initio obvolutis.

Hab. in sarmentis emortuis Humuli Lupuli *a Selva,* Apr. 1874 et Oct. 1877.

84. **Diaporthe** (Tetrastagon) **oblita** S. & S. Stromate ramos corticatos varie ambiente et nonnumquam infuscante, linea stromatica infra vix limitato; peritheciis corticolis, basi vero ligno infossis, globulosis. $^1/_4$ mill. diam., ostiolis breve rostellatis, parum excedentibus; ascis fusoideis deorsum acutioribus, 45–50 × 8, aparaphysatis, octosporis; sporidiis fusoideis, utrinque obtusiusculis 12–14 × 4–5, rectis, 1–septatis, leniter constrictis, 4–guttulatis, hyalinis.

Hab. in ramis corticatis Artemisiæ camphoratæ *a Colfosco,* Aprili 1877, rarius.

85. **Diaporthe** (Tetrastagon) **rostellata** (Fr.) Nke, Sacc. Mycol. Ven. pag. 139.

Hab. In sarmentis Rubi fruticosi *a Padova, a*

Selva, Aug. 1875, et *a Conegliano*, vere 1878 (C. Spegazzini).

Obs. Perithecia subcutanea, stromate nullo limitata, ostiolo rostellato rectiusculo et solidiusculo emergente. Asci fusoidei, basi acutiores, 55 × 6–6 ½. Sporidia disticha, fusoidea, curvula 13–15 × 3 ½–4, medio non v. lenissime constricta, 4-guttata, hyalina, utrinque setulâ obliquâ 5–6 lgâ aucta.

86. **Diaporthe** (Tetrastagon) **aggerum** S. & S. Stromate ramulos corticatos hinc inde ambiente et superficie nigrificante; peritheciis gregariis globulosis, ⅓ mill. diam., cortice nidulantibus, ostiolo breve papillato, epidermidem parum excedente; ascis fusoideis, utrinque obtusiusculis, 50–60 × 7, aparaphysatis, octosporis; sporidiis distichis fusoideis, sæpe curvulis, medio constricto-septatis, 14–16 × 3–4, 4-guttulatis, hyalinis.

Hab. in caulibus Loti corniculati *a Conegliano*, aut. 1877.

87. **Diaporthe** (Euporthe) **meridionalis** Sacc. Stromate ramos corticatos varie ambiente, lineaque tortuosa nigra per lignum excurrente limitato; peritheciis globulosis, ligno infossis, ¾ mill. diam., ostiolo peridermium perforante vix emergente; ascis fusoideis, 55 × 10, aparaphysatis, octosporis; sporidiis distichis oblongo-fusoideis, medio leniter constrictis, 15 × 4 ½–5, 1-septatis, 4-guttulatis, hyalinis.

Hab. in ramis Paliuri aculeati *a Montebelluna*, Oct. 1874.

88. **Diaporthe** (Euporthe) **minuscula** S. & S. Stromate longe et late caules decorticatos ambiente eosque superficie atro-inquinante; peritheciis globosis, ¼ mill. diam., ligno infossis, ostiolo perforante breveque exerto; ascis fusoideis, 45 × 7–8, aparaphysatis, octosporis; sporidiis fusoideis, constricto-1-septatis, 13–15 × 3–4, 4-guttulatis, hyalinis.

Hab. in caule Campanulæ Trachelii putrescente *a Conegliano*, aut. 1877.

Obs. A *Diap. Tulasnei*. Nke ostiolis breve exertis præcipue recedit.

89. **Diaporthe** (Euporthe) **Castrensis** S. & S. Stromate ramulos decorticatos longe lateque ambiente et superficie atroinquinante; peritheciis globulosis $^1/_3$ mill. diam., ligno infossis, gregariis, ostiolis nunc punctiformibus nunc breve exertis; ascis fusoideis 60–70 ≈ 10, aparaphysatis, octosporis; sporidiis distichis, fusoideis, 1-septatis, lenissime constrictis, 15–17 ≈ 3 $^1/_2$–4 $^1/_2$, 4-guttulatis, hyalinis.

Hab. in ramulis Capparidis rupestris ad castrum *S. Salvadore a Susegana*, Dec. 1877. — *Obs. Diaporthi pullæ* Nke affinis.

90. **Diaporthe** (Euporthe) **petiolorum** S. & S. Stromate petiolis plagulas oblongas nigras hinc inde afficiente, lineaque nigra intus limitato; peritheciis ligno infossis, gregariis, globulosis, $^1/_3$ mill. diam., ostiolo cylindraceo perforante et parum exerto; ascis fusoideis, 50–55 ≈ 6–7, aparaphysatis, octosporis; sporidiis distichis, oblongis, 12–14 ≈ 3–3$^1/_2$, constricto–1–septatis, 2–4–guttulatis, hyalinis.

Hab. in petiolis languidis Catalpæ syringifoliæ *a Conegliano*, Junio 1877.

91. **Diaporthe** (Euporthe) **inquilina** (Wallr.) Nke Pyr. germ. pag. 272.

Hab. in caule languente Heraclei Sphondylii *a Conegliano* Februario 1877. (Spegazzini).

Obs. Stroma hinc inde plagulas oblongas nigro-nitentes sistens. Perithecia gregaria, globoso-depressa, infossa, ostiolis spinulosis, emergentibus. Asci fusoidei, 35–40 ≈ 6–7, 8spori; sporidia fusoidea, constricto–1–septata, 10 ≈ 3, 4–guttulata, hyalina.

92. **Diaporthe** (Euporthe) **Arctii** (Lasch) Nke, Sacc. Mycol. Ven. 211.

α **Lapparum**: ascis fusoideis 45–50 ≈ 10–11; sporidiis oblongo-fusoideis, 1–septatis, lenissime constrictis, 12–14 ≈ 4, 4–guttulatis, hyalinis. — In caule Lapparum *a Selva*, Sept. 1873.

β **Centaureæ Scabiosæ**: ascis 50 ≈ 8–10; sporidiis, 10 ≈ 3$^1/_2$, medio non v. lenissime constrictis. — In caule ejusdem *a Susegana* (Spegazzini).

93. **Diaporthe** (Euporthe) **pratensis** S. & S. Stromate caules corticatos v. decorticatos late ambiente et atroinquinante; peritheciis ligno immersis, globulosis; $^1/_3$–$^1/_2$ mill. diam., laxe gregariis, ostiolis cylindraceis, nunc vix, nunc breve emergentibus; ascis clavato-fusoideis, apice obusioribus, 35–40 ≈ $6^1/_2$–$7^1/_2$, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, ovato-oblongis, 14–15 ≈ 3–4, constricto–1–septatis, utrinque obtusiusculis, 4–guttulatis, hyalinis.

Hab. in caulibus languidis Medicaginis lupulinæ, *a Conegliano,* Majo 1877.

94. **Diaporthe** (Euporthe) **Neapolitana** Sacc. Stromate longe et late ramulos decorticatos ambiente et superficie atro-inquinante; peritheciis gregariis, ligno infossis, globoso–depressis, $^1/_2$ mill. diam., ostiolis conico–cylindraceis, $^1/_2$ mill. longis, emergentibus, apice obtusiusculis; ascis fusoideis, deorsum acutioribus, 50–60 = 10–12, aparaphysatis, octosporis; sporidiis distichis, oblongo–fusoideis, medio constrictis, 12–15 ≈ $3–4^1/_2$, utrinque obtusiusculis, 4–guttulatis, hyalinis.

Hab. in ramis emortuis Mesembryanthemi acinacifolii in collibus *di Posilippo* prope Neapolim, Julio 1877 (Com. A. Magnaguti-Rondinini).

95. **Diaporthe** (Euporthe) **scandens** S. & S. Stromate caules arcte corticatos late ambiente, superficiemque nitide nigrificante; peritheciis ligno intus dealbato lineolaque nigra circumscripto infossis, globulosis, $^1/_4$–$^1/_3$ mill. d., ostiolis cylindraceis, rostellatis, $^1/_3$–$^1/_2$ mill. extantibus; ascis fusoideo-clavatis, 40–50 ≈ $6–6^1/_2$, sessilibus, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis oblongo–fusoideis utrinque obtusiusculis, constricto–1–septatis, 4–guttulatis, hyalinis.

Hab. in sarmentis Tami communis putrescentibus *a Colfosco*, vere 1878.

96. **Diaporthe** (Euporthe) **culta** S. & S. Stromate ramos primo corticatos late ambiente, dein cortice secesso, ligni superficiem infuscante v. nigrificante; peritheciis ligno, lineola nigra obsoleta circumscripto, infossis, globulosis, $^1/_3$ mill. d. ostiolis cylindraceis peridermium

primo perforantibus, parumque excedentibus; ascis cylindraceo–fusoideis, obtusiusculis, 40–50 × 5, aparaphysatis, octosporis; sporidiis distichis oblongis, constricto –1–septatis, utrinque acutiusculis, 4–guttulatis, hyalinis.

Hab. in sarmentis emortuis Jasmini officinalis in hortis *a Selva*, Sept. 1878.

97. **Diaporthe** (Euporthe) **Tulasnei** Nke Pyr. Germ. p. 274. Sacc. M. V. Specim. pag. 142.

Hab. in caulibus Lamii Orvalæ, Urticæ dioicæ, Hesperidis matronalis, Scrophulariæ caninæ *a Selva*, *Colfosco*, *Serravalle*, Aut 1874–77.

Obs. Stroma caules decorticatos hinc inde late ambiens et superficiem nitide nigrificans. Perithecia ligno infossa, subgregaria, globosa, ostiolis vix excedentibus, rotundatis. Asci fusoidei, apice lumine 2–foveolato, 55–60 × 8–10. Sporidia fusoidea, constricto –1–septata, curvula, utrinque obtusiuscula, 4–guttulata, hyalina, 13–15 × $3^1/_2$–4.

98. **Diaporthe** (Euporthe) **Aucubæ** Sacc. F. Ven. ser. V. 201 (Status spermogonicus).

Status ascophorus: stromate ramulos, cortice relaxato, hinc inde ambiente, lineaque nigra in ligni superficie et profunditate excurrente limitato; peritheciis globulosis, gregariis, $^1/_3$ mill. diam., ligno infossis, ostioloque vix emergente; ascis fusoideis, 45–48 × 7–8, aparaphysatis, octosporis; sporidiis distichis, oblongo–fusoideis, 14–16 × 3–$3^1/_2$, constricto –1–septatis, 4–guttulatis, hyalinis.

Hab. in ramis emortuis Aucubæ japonicæ *a Susegana*, socia *Phoma*, Januario 1877 (Spegazzini).

99. **Diaporthe** (Euporthe) **gloriosa** S. & S. Stromate foliorum superficiei plagulas oblongas vel irregulares, parvas, atronitentes hinc inde afficiente; peritheciis parenchymate infossis, $^1/_3$ mill. diam., globosis, ostiolo acutiusculo parum excedente; ascis clavato-fusoideis 50 × 8–10, apice lumine bi-foveolato, aparaphysatis, octosporis; sporidiis distichis rectiusculis, oblongo-fusoideis, 12–15 × 3–4, medio constrictis, obsoleteque septatis, 4–guttulatis, hyalinis.

Hab. in foliis languidis Yuccæ gloriosæ, *a Conegliano*, autumno 1877, rarius.

100. **Diaporthe** (Euporthe) **indica** S. & S. Stromate caules corticatos late ambiente atque parum infuscante, linea nigra per lignum flexuose excurrente limitato; peritheciis ligno infossis, globulosis, vix $^1/_2$ mill. diam., ostiolis corticem perforantibus, parumque excedentibus; ascis fusoideis, 45–50 × 8–9, aparaphysatis, octosporis; sporidiis distichis, oblongis, 14–15 × 4, utrinque obtusiusculis, constricto-1-septatis, 2–4-guttulatis, hyalinis.

Hab. in caulibus emortuis Tagetum hortensium *a Conegliano*, Oct. 1877.

Obs. Species *Diaporthi Arctii* (Lasch) Nke affinis.

101. **Diaporthe** (Euporthe) **abdita** S. & S. Stromate ramos corticatos late ambiente et superficiem parum infuscante, linea nigra tortuosa per lignum immutatum excurrente limitato; peritheciis ligno immersis, globulosis, majusculis, $^1/_2$ mill, diam., ostiolis peridermium perforantibus et vix superantibus, obtusis; ascis clavato-cylindraceis, 70–80 × 10, apice rotundatis, breve crasseque stipitatis, aparaphysatis, octosporis; sporidiis distichis oblongo-didymis, 15 × 5, utrinque obtusiusculis, 4-guttulatis, hyalinis.

Hab. in ramis emortuis Meliæ Azedarach, *a Susegana*, vere 1877–78.

102. **Diaporthe** (Euporthe) **orientalis** S. & S. Stromate ramos corticatos decorticatosque late ambiente, eosque varie infuscante, linea nigra per lignum varie excurrente limitato; peritheciis gregariis, ligno immersis, $^1/_4$ mill. diam., globulosis, ostiolo apice rotundato, vix emergente; ascis fusoideis, apice obtusioribus, 45–50 × 7, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, fusoideis, 15–17 × $2^1/_2$–3, medio constrictis, 1-septatis, 4-guttulatis, septulis spuriis 2 accedentibus, hyalinis.

Hab. in ramis emortuis Mori albæ *a Susegana*, Jan. 1877.

103. **Diaporthe** (Sclerostroma) **Niesslii** Sacc. Acervulis gregariis cortice nidulantibus, intus et extus nigris

disco subcirculari, ostiolis numerosis parum emergentibus punctulato, epidermide rupta arcte cincto; peritheciis minutis $^1/_3$ mill. diam., monostichis, globulosis, nigris intus et extus collis cylindraceis convergentibus, zona, stromatica nigra per corticem et lignum excurrente, acervulos varie circumscribente; ascis fusoideis, subsessilibus, 70–75 × 8–10, lumine apice bifoveolato, octosporis, aparaphysatis; sporidiis distichis v. oblique monostichis, fusoideis, rectis curvulisve, 15 × 3–4, utrinque acutiusculis, 4-guttatis, simulateque 1–(v. raro 3–) septatis, non v. lenissime medio constrictis.

Hab. in cortice ramorum majorum Aceris Pseudoplatani *a Feletto* Jan. 1878 (Spegazzini), in Styria (G. v. Niessl, nomine ?*Cryptosporæ Hystricis* Fckl).

Obs. A *Diaporthe Hystrice* (Tode?) Sacc. F. V. ser. IV. 6, sporidiis muticis, a *Cryptosp. Hystrice* Fckl. sporidiis brevioribus et crassioribus, ostiolisque curtis, et a *Mamiania Hystrice* DNtrs sporidiis utrinque attenuatis nec rotundatis præ ceteris diversa.

104. **Diaporthe** (?Sclerostroma) **Hystricula** S. & S. Stromate nullo manifesto; peritheciis hinc inde in acervulos minutos aggregatis v. subsparsis, cortice nidulantibus, globulosis, $^1/_2$ mill. diam. nigris, peridermio secedenti adhærentibus et basi dein cupulato-collapsis, ostiolis peridermium fasciculatim perforantibus, capillaceis, $^1/_2$ mill. lgs.; contextu perithecii distincte parenchymatico rufo-fuligineo; ascis fusoideis, utrinque acutis, 40–45 × 6–7, lumine bifoveolato, aparaphysatis, octosporis; sporidiis oblique monostichis v. distichis, fusoideis rectiusculis, spurie 1-septatis, 4–(v. pluri–) guttulatis, 12–14 × $2^1/_2$, hyalinis, initio utrinque appendiculatis, dein muticis.

Hab. in cortice Aceris campestris ramorum, *a Conegliano,* Martio 1877 (Spegazzini).

Obs. Species prædistincta, nonnullis notis *Gnomoniis* affinis. Ad sectionem *Tetrastagon* ob perithecia sæpe sparsa pari fere jure duci potest. Linea stromatica semper deest ut in *Diap. rostellata* (Fr.) Nke.

105. **Valsaria Saccardiana** Speg. in litt. Stromate lignum decorticatum late ambiente atque superficie atro-inquinante; peritheciis gregariis, ligno infossis, globosis, $^3/_4$ mill. diam., ostiolo rotundato, pertuso vix emergente; ascis cylindricis, noduloso-stipitatis, apice, lumine integro, obtusiusculis, p. s. 120–140 ≈ 7–8, stipite 50 ≈ 5–6, pseudoparaphysibus guttulatis obvallatis, octosporis; sporidiis monostichis oblongis, subfusoideis, 18–22 ≈ 5–6, constricto–1–septatis, utrinque obtusiusculis, 2– v. sæpius 4–nucleatis, indeque simulate 3–septatis, dilute olivaceis.

Hab. in ligno putri Lauri nobilis *a Susegana*, vere 1877 (Spegazzini).

Obs. A *Vals. anserina* (Pers.) Sacc. F. Ven. IV. pag. 19, cui affinis, ascis conspicue longioribus, sporidiis longioribus, angustioribus, 4–nucleatis, dilute coloratis differt.

Sect. 5. **Phragmosporæ** Sacc.

106. **Leptosphæria heterospora** (DNtrs) Niessl Beitr. 23. *Sphæria* heterospora DNtrs Sfer. ital, n. 65.

Hab. rhizomatibus nondum emortuis Isidis germanicæ *a Conegliano* aut. 1877.

Obs. Perithecia innato–erumpentia, ostiolo conoideo longiusculo. Ascos jam resorptos inveni. Sporidia fusoidea, curvula, utrinque obtusa, 35 ≈ 12–13, 3–septata, ad septum medium constricta, fuliginea, loculis 2 intermediis saturatioribus.

107. **Leptosphæria massariella** S. & S. Peritheciis gregariis cortice nidulantibus, globulosis, $^1/_3$ mill. d., coriaceo-membranaceis, nigris, ostiolo breve papillato vix erumpente; ascis cylindricis 130–150 ≈ 9–12, apice tunica integra rontundatis, breve stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblongis, rectis, 20 ≈ 8, utrinque obtusissime rotundatis, 3–septatis, ad septum medium constrictis, minute guttulatis, lutescenti-fuligineis, tandem ex ostiolo

protrusis, matricemque circumcirca pulveraceo-atro-inquinantibus.

Hab. in ramulis Ulmi campestris emortuis *a Conegliano*, æstate 1878.

Obs. Generi Massariæ quoque affinis, sed sporidia muco absolute destituta.

108. **Leptosphæria massarioides** S. & S. Peritheciis sparsis, innato-erumpentibus, globulosis, acute papillatis, $^1/_4$ mill. diam., atronitidulis; ascis cylindraceo-clavatis, 150–180 × 30–35, brevissime noduloso-stipitatis, apice, lumine obsolete 1-foveolato, rotundatis, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis oblique monostichis v. distichis cylindraceo-oblongis, utrinque præcipue apice obtusiusculis, 40–55 × 15–17, curvulis, 7-septatis, ad septa constrictis, loculis 1– (rarius 2–) grosse-guttulatis, flavo-fuligineis.

Hab. in caulibus putrescentibus superficie denigratis Heraclei Sphondylii *a Conegliano*, Oct. 1877.

Obs. Sporidiis magnis *Leptosphæriæ littorali* Sacc. paululum accedit, a qua et matrice denigrata differt.

109. **Leptosphæria pyrenopezizoides** S. & S. Peritheciis sparsis erumpenti-superficialibus, globuloso-depressis, $^1/_6$ mill. diam., papillulatis, denique cupulato-collapsis, nigris; contextu laxe parenchymatico, olivaceo-fusco, circa ostiolum 10 micr. latum densiore; ascis cylindraceo-clavatis, 70–75 × 8, brevissime noduloso-stipitatis, apice, lumine coarctato, subtruncatis, octosporis; sporidiis subdistichis, fusoideis, curvulis, 20–25 × 4, loculo secundo leniter incrassato, dilute flavis.

Hab. in sarmentis putrescentibus Clematidis Vitalbæ, *a Conegliano*, Majo 1877.

Obs. Leptosphæriæ rubicundæ Rehm affinis etiam ob matricem quandoque leniter cruentatam; sed peritheciis dein cupulatis &c. differt.

110. **Leptosphæria Cumana** S. & S. Maculis nullis; peritheciis laxe seriatis, innatis, vix erumpentibus, globoso-depressis, $^1/_5$ circ. mill. diam., pertusis; contextu parenchymatico fuligineo; ascis oblongo-cylin-

draceis, subsessilibus, 60–70 ≈ 12–15, apice, tunica integra, rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis subtristichis, fusoideis, curvulis, 20–22 ≈ 5, 3–septatis ad septa leniter constrictis, 4– (v. pluri–) guttulatis, hyalinis.

Hab. in foliis emortuis Caricum *a Conegliano,* Majo 1877.

Obs. Subaffinis *Lept. Luzulæ* Wint. et *L. Typharum* Karst.

111. **Leptosphæria anarithmoides** S. & S. Peritheciis laxe gregariis innatis, depresso-globulosis, nigris, diam. $^1/_8$–$^1/_6$ mill., ostiolo vix papillato erumpente; contextu perithecii parenchymatico, fuligineo; ascis cylindraceo-clavatis, 80–90 ≈ 15–20, breve noduloso–stipitatis, apice rotundatis, paraphysibus filiformibus septulatis obvallatis, octosporis; sporidiis distichis, oblongo–fusoideis, 20–25 ≈ 7–8, utrinque obtusiusculis, curvulis, medio constrictis, 1–septatis, 4–nucleatis (verisimiliter denique 3–septatis) hyalinis.

Hab. in foliis putrescentibus graminum (Poæ?) *a Conegliano,* vere 1878.

Obs. Peraffinis *Leptosphæriæ anarithmæ* Sacc. F. Ven. Ser. V. pag. 175 sub Sphærella, an B. & Br., a qua peritheciis majoribus, sporidiis crassioribus et brevioribus satis differre videtur.

112. **Leptosphæria anarithma** (B. & Br.?) Sacc. *Sphærella anarithma* Sacc. F. Ven. Ser. V. pag. 175, Cke Hndb. pag. 920?

Hab. in foliis exsiccatis Airæ cæspitosæ in *S. Montello,* Sept. 1873.

Obs. Perithecia globoso-lenticularia, $^1/_{12}$ mill. d., pertusa. Asci cylindracei, brevissime stipitati, 90 ≈ 15, apice rotundati, paraphysati, octospori. Sporidia disticha, anguste fusiformia, 25–28 ≈ 5–6$^1/_2$, curvula, medio subconstricta, 4–guttulata 1– (an tandem 3–) septata, hyalina.

113. **Leptosphæria hiemalis** S. & S. Peritheciis sparsis globoso-depressis, $^1/_5$–$^1/_4$ mill. d., innato-erumpentibus, ostiolo breve conoideo; contextu dense paren-

chymatico, subcarbonaceo, atro; ascis cylindraceo-clavatis, 100–110 × 15, apice rotundatis, breve stipitatis paraphysibus filiformibus guttulatis obvallatis; sporidiis distichis, oblongo-fusoideis, 25–26 × 7, rectis curvulisve, utrinque obtuse acutatis, 3–septatis (raro 4–5–septatis) ad septum medium leniter constrictis, crasse 4–6–guttulatis, dilute cinereo-fuscis.

Hab. in caulibus Equiseti hiemalis putrescentibus, *a Conegliano,* Martio 1878.

Obs. Cum *Lept. Equiseti* Karst. Spetsb. pag. 101 nil commune habet.

114. **Leptosphæria anthophila** S. & S. Peritheciis sparsis gregariisve, subsuperficialibus, globoso-conoideis, papillatis, nigris, $^1/_3$ mill. d.; contextu parenchymatico circa ostiolum densiore, fuligineo; ascis cylindraceo-clavatis, 100 × 12–13, apice rotundatis, brevi-stipitatis, paraphysatis, octosporis; sporidiis distichis fusoideis, rectis curvulisve, 23–26 × 5–6, 3–septatis ad septa leniter constrictis, loculo secundo vix protuberante, melleis.

Hab. in inferiore parte anthodii secedentis putrescentis Carlinæ acaulis in sylva *Cansiglio*, Aug. 1878.

115. **Leptosphæria modesta** (Dmz.) Awd., Sacc. F. ital. t. 291. Cfr. quoque Michelia pag. 37. et 343., Mycoth. Ven. Cent. XIV.

Hab. in caulibus putrescentibus Digitalis grandifloræ in sylva *Cansiglio,* Aug. 1878.

Obs. Perithecia globoso-conoidea, ostiolo setoso, denique umbilicata. Asci et sporidia ut l. c. descripsi.

116. **Leptosphæria helminthospora** (Ces.) DNtrs Sfer. ital. n. 88., non Fckl. quæ *Lept. Artemisiæ* (Fckl.) Awd.

Hab. in caulibus emortuis Inulæ chrytmoidis prope *Caorle* in littore veneto, Iunio 1878 (Spegazzini).

Obs. Perithecia gregaria, initio epidermide velata, globoso-depressa, papillata, $^1/_3$ mill. d. atro-nitidula. Asci clavati, 85–90 × 8–10, breve crassiuscule stipi-

tati, apice rotundati paraphysati, octospori. Sporidia disticha cylindraceo-clavulata, apice rotundata, deorsum acutiora, 20–25 = 5–6, inæqualiter 6–8–locularia, ad septa constricta, dilute olivacea.

117. **Leptosphæria carpophila** Sacc. Fungi Ven. Ser. II. pag. 313. *L. **bractearum**. Peritheciis innato–prominulis, globulosis, vix papillatis, dein depressis; ascis cylindraceo–clavatis, 80–85 = 10–12, breve stipitatis, apice rotundatis, paraphysatis, 8sporis; sporidiis distichis v. oblique monostichis fusoideis, curvulis, 18–20 = 5, 3–septatis leniter constrictis, guttulatis, flavis.

Hab. in bracteis capitulorum Dipsaci sylvestris putrescentium, *a Conegliano* aut. 1877.

Obs. A forma typica peritheciis magis depressis, sporidiis (saltem initio) flavis differt.

118. **Leptosphæria sicula** Sacc. & Beltr. Peritheciis inter fibras innato–erumpentibus, gregariis, globoso–depressis, $^1/_2$ mill. diam. ostiolo breve papillato, dein umbilicato–collapsis; contextu parenchymatico densiusculo, atro-fuligineo; ascis cylindraceo-clavatis deorsum breve attenuato-stipitatis nodulosisque, apice tunica integra rotundatis, 99-110 = 15, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis v. oblique monostichis, cylindraceo-clavatis, deorsum acutioribus, 24-26 = 6-7, curvulis, 4-septatis, septo submedio lenissime constrictis, 5-guttulatis, lutescenti-olivaceis.

Hab. in trunco putrescente Opuntiæ Fici indicæ ad *Licata* in Sicilia, Aprili 1877 (V. Beltrani).

Obs. Sporidiis clavulatis 4-septatis &c. statim dignoscitur.

119. **Leptosphæria Euphorbiæ** Niessl in Rabh. F. E. n. 1841.

Hab. in caule putrescente Euphorbiæ Cyparissiæ *a Conegliano* aut. 1877 (Spegazzini).

Obs. Perithecia subcutanea, dein erumpentia, majuscula, depresso-globosa, breve papillata. Asci cylindraceo-clavati, 85-95 = 14-16, breve stipitati, octospori; sporidia disticha crasse fusoidea, 28-30 = 7-8, utrin-

que acutiuscula, 3-septata, ad septa leniter constricta, atrofuliginea.

120. **Leptosphæria Cerlettii** Speg. Ampel. it. n. 30.

Hab. in sarmentis emortuis Vitis cordifoliæ *a Conegliano*, Oct. 1877 (Spegazzini).

Obs. Asci cylindraceo-clavati, paraphysati octospori. Sporidia disticha, fusoidea, deorsum acutiora, 35-37 = 10, 5-septata, mellea. Perithecia ostiolo setulosa. *Lept. spectabili* Niessl affinis.

121. **Leptosphæria vinealis** Pass., Thuem. Pilz. d. Weinst. p. 133. Speg. Ampel. ital. n. 25. (forma foliicola et ramicola).

Hab. in foliis sarmentisque Vitis viniferæ *a Conegliano*, aut. 1877 (Spegazzini).

Obs. Asci cylindraceo-obclavati, brevi-stipitati, octospori. Sporidia disticha, fusoidea, 20–22 ≈ 5, 3-septata, loculo secundo subincrassato, guttulata, olivacea. Ob perithecia, maculicolas et sporidia utrinque obtusiuscula a specie Passeriniana paululum recedit.

122. **Leptosphæria apogon** S. & S. Peritheciis sparsis, epidermide velatis, globoso-lenticularibus, 150 micr. diam. vix papillulatis, poro pertusis; contextu tenuimembranaceo, fuligineo; ascis oblongis, subsessilibus, utrinque obtusiusculis, lumine apice vix angustato, paraphysibus obsoletis; sporidiis distichis oblongo-subfusoideis, rectiusculis, 22–25 ≈ 5–5½, 3-septatis, ad septum medium leniter constrictis, guttulatis olivaceis, utrinque obtusis.

Hab. in calamis Scirpi Holoschæni putrescentibus, *a Conegliano*, Majo 1877.

Obs. Affinis *Leptosphæriæ micropogoni* Sacc., a qua defectu setularum circa ostiolum dignoscitur, *Leptosphæriæ hydrophilæ* Sacc., a qua sporidiis subfusoideis angustioribus differt, nec non *Leptosphæriæ culmorum* Awd., a qua sporidiis angustioribus, ascis angustioribus brevioribusque satis recedere videtur.

123. **Leptosphæria** (Leptosphærella) **Diana** S. & S. Maculis nullis obsoletisve; peritheciis sparsis, hypophyllis, epidermide subvelatis, lenticularibus, 80–90

micr. diam., pertusis; ascis oblongo-fusoideis, subsessilibus, 45–50 × 12, paraphysibus obsoletis, octosporis; sporidiis subtristichis, fusoideis, curvulis, 4–septatis, loculo secundo leniter crassiore, 18–22 × 4–5, utrinque obtusiusculis, olivaceis.

Hab. in foliis putrescentibus Aceris Negundinis *a Vittorio*, Maio 1877.

124. **Leptosphæria** (Leptosphærella) **helvetica** S. & S. F. ital. n. 324. Peritheciis in foliis arescendo cinerascentibus laxe gregariis punctiformibus, lenticularibus 80–100 micr. diam., poro pertusis, contextu parenchymatico, membranaceo griseo-fusco; ascis crasse obclavato-cylindraceis, 45–55 × 11, apice rotundatis, breve crasse et oblique stipitatis, aparaphysatis, octosporis; sporidiis distichis, ovato-oblongis, rectis, 10–12 × $3^1/_2$–$4^1/_2$, utrinque rotundatis, 4–locularibus, dilute olivaceo-fuligineis, loculis extimis pallidioribus, mediis quandoque minute guttulatis.

Hab. in pagina superiore foliorum languidorum Selaginellæ helveticæ *a Tarzo* prope *Vittorio*, Apr. 1878, socia *Phyllosticta helvetica*, ejusdem spermogonio, sic definienda: peritheciis punctiformibus 100 micr. diam., pertusis; spermatiis oblongis curvulis, minimis, 2 × $^1/_4$–$^1/_2$, hyalinis.

Obs. A *Lept. Crepini* (West.) DNtrs. et *L. lycopodina* (Mntgn.) certe diversa.

SPHÆRULINA Sacc. Perithecia et asci *Sphærellæ*. Sporidia cylindracea v. oblongata, 3–pluriseptata, hyalina.

Obs. A genere *Sphærella* Ces. & DNtrs sporidiis 3–pluriseptatis, a *Leptosphærella* Sacc. (sect. Leptosphæriæ) defectu paraphysum, sporidiis prorsus hyalinis et habitu toto sphærellaceo facile tuteque dignoscendum genus.

125. **Sphærulina myriadea** (DC.) Sacc. *Sphæria myriadea* DC. *Sphærella myriadea* Rabh., Awd. in Mycol. Europ. pag. 12 fig. 9. Sacc. Mycol. Ven. pag. 95. ***S. fraxinea** S. & S. Peritheciis hypophyllis, sparsis, lenticulari-globulosis, $^1/_8$ mill. diam. prominulis, punctiformibus, pertusis, contextu distincte parenchy-

matico, fuligineo; ascis fasciculatis cylindraceo-clavulatis, 60 × 9–10, subsessilibus, apice tunica integra rotundatis, omnino aparaphysatis, 8sporis; sporidiis 2–3-stichis, cylindraceo-fusoideis, leniter curvulis, 28–30 × 4, utrinque obtusiusculis, typice 3–septatis, (quandoque 4–6–septatis), hyalinis.

Hab. in foliis languidis Fraxini Orni *a Pianzano*, hieme 1877.

Obs. A forma typica peritheciis hypophyllis, prominulis, subsparsis, sporidiis sæpe 4–6–septatis desciscit.

126. **Sphærulina** (Pringsheimia) **intermixta** (B. & Br.) Sacc. *Sphæria intermixta* B. & Br. Cke Hndb. p. 889. *Sphærella intermixta* (B. & Br.) Awd. Pyr. Herb. Heufl. pag. 4. *Pringsheimia Rosarum* Schulz. Pfl. Slav. pag. 57.

Hab. in cortice nondum emortuo Rubi fruticosi *a Selva* et *a Conegliano*, aut. 1878.

Obs. Perithecia gregaria, minutissima, epidermide velata, lenticularia ambitu circularia v. ovata, 80–100 micr. d., poro latiusculo sæpe irregulari v. rimoso pertusa; contextu tenui-membranaceo, parenchymatico, fuligineo. Asci diu in globum fasciculatim juncti, oblongo-clavati 45–55 × 12–14, brevissime stipitati, apice tunica integra incrassata rotundati, aparaphysati, octospori. Sporidia disticha, clavato-obpyriformia, 16–18 × 7–8, recta v. curvula, apice rotundata, in basim acutata, 3–4–septata, ad septa leniter constricta, nubilosa, hyalina. A genere peritheciis atypice dehiscentibus, sporidiis lacrymiformibus et habitatione nonnihil desciscit. Huic speciei probabiliter valde cognata est *Sphæria abbreviata* Cke Hndb p. 793.

127. **Sporormia fimetaria** DNtrs. Microm. ital. Dec. V. n. 6. Pirotta Spororm. p. 160., Niessl Spororm. n. 21.

Hab. in fimo vaccino in sylva *Cansiglio*, Aug. 1878 (C. Spegazzini).

Obs. Perithecia Sporormiam minimam æmulantia. Asci cylindraceo-clavati, 100–110 × 15, apice obtuse

conici deorsum attenuato-stipitati, basique ima nodulosi, aparaphysati, octospori; sporidia fasciculatim polysticha, cylindrica, 50–55 = 3–4, utrinque conoidea, 16-18-septato-torulosa, non secedentia, fuligineo-viridula, utrinque pallidiora.

128. **Perisporium vulgare** Cda, Sacc. F. Ven. Ser. V. 174.

Hab. in lignis putrescentibus, charta et tela udis, stercore ovino in toto agro Veneto, per annum.

Obs. Summopere variat forma et magnitudine ascorum et sporidiorum. Observavi:

In lignis decorticatis: ascis longe stipitatis 140 = 15–18, stipite 70 lgo; sporidiis 25–30 = 6 $^1/_2$–7.

In ramis corticatis: ascis brevissime stipitatis 35–40 = 17–19, stipite 7–8 lgo; sporidiis 28 = 5.

In charta putri; ascis mediocriter stipitatis 80–100 = 18, stipite 20–30 lgo; sporidiis 26 = 7–8.

In stercore ovino nunc: ascis brevi-stipitatis 45 = 16–17, stipite 10 lgo; sporidiis 25 = 5 $^1/_2$–6. Nunc: ascis 160–190 = 20, stipite 70–100 lgo; sporidiis 35 = 6 $^1/_2$–7.

Ex iis quæ præcedunt, evincitur duas formas distingui posse, nec tamen tute limitatas, quæ sunt: forma *micropoda* et *macropoda*, ex ascis breve aut longe stipitatis distinguendæ.

129. **Zignoella nematasca** S. & S. Peritheciis sparsis, ligno semiimmersis v. fere immersis, $^1/_3$ mill. diam; globulosis, atro-nitentibus, ostiolo conoideo emergente; ascis anguste cylindricis, 150–200 = 10–11, quandoque tortuosis, apice rotundatis, breve stipitatis, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis monostichis, cylindraceis utrinque abrupte acutatis, 30–35 = 7–8, rectis, 8-9-septatis, ad septa subconstrictis, loculis 3–4-guttulatis, hyalinis.

Hab. in ramulis decorticatis putrescentibus Fraxini Orni in Euganeis, Februario 1878, raro.

130. **Zignoella dolichospora** Sacc. Peritheciis dense gregariis, superficialibus, globulosis, carbonaceis, ni-

gris, $^1/_6$ mill. d., breve papillatis; ascis cylindraceo-clavatis, modice stipitatis, apice tunica integra rotundatis, paraphysibus septulatis obvallatis, octosporis; sporidiis 2–3-stichis, anguste fusoideis, curvulis, utrinque acutiusculis, 35–40 ≈ 5–6 $^1/_2$, 7–9-septatis, 8–10-guttulatis, ad septa non v. leniter constrictis, hyalinis.

Hab. in ligno cæso putri quercino in sylva *Montello*, Sept. 1878.

Obs. Affinis *Z. macrosporæ* Sacc., a qua ascis sporidiisque duplo majoribus recedit.

131. **Melanomma acutum** Sacc. Peritheciis laxe gregariis, ligno basi insculptis v. subsuperficialibus, $^1/_3$ mill. diam., carbonaceis, atronitidulis, acute et longiuscule papillatis; ascis cylindraceo-clavatis, 90–100 ≈ 18, crasse stipitatis apice, tunica integra, rotundatis, paraphysibus filiformibus asco longioribus obvallatis; sporidiis distichis, oblongis, 24–26 ≈ 8, utrinque obtusiusculis, 3-septatis, ad septum medium constrictis, articulis sæpius 2-guttulatis, olivaceo-fuligineis.

Hab. in ligno decorticato Mori albæ *a Selva*, Sept. 1877.

Obs. Affine *M. longicolli* Sacc. a quo differt ostiolis acutis sed minus longis, ascis sporidiisque crassioribus eorumque articulis pluri- nec 1-guttulatis.

132. **Melanomma medium** S. & S. Peritheciis gregariis sparsisque cortice secedente, superficialibus, globulosis $^1/_3$ mill. diam., ostiolo conoideo obtuso, dein pertuso; ascis cylindraceo-clavatis, breve stipitatis, 80-90 ≈ 10-12, apice, lumine leniter coarctato, rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis subdistichis, oblongis, utrinque obtusis, 22-25 ≈ 6-7, rectis curvulisve, 3-septatis, ad septa leniter constrictis,4- (raro pluri-) guttulatis, dilute fuligineis, guttulis hyalinis.

Hab. in ramis putrescentibus Aceris Negundinis *a Conegliano,* Junio 1877.

Obs. Inter *Mel. pertusellum* Sacc. Mich. III. 345 et *M. juniperinum* (Karst.) l. c. 346 species intermedia videtur. A prima peritheciis duplo majoribus,

sporidiis obtusioribus in primis differt, ab altera sporidiis nunquam 5-septatis &c.

133. **Melanomma dubiosum** Sacc. Peritheciis gregariis sparsisve subsuperficialibus e basi applanata globoso-conoideis, $^1/_2$ mill. diam., subcarbonaceis, nigris, ostiolo depresse papillato obtuso dein pertuso; ascis crasse clavatis, 100-110 = 18-20, breve crasse stipitatis, apice, lumine coarctato, rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis oblongis, utrinque rotundatis, 28-30 = 10-12, rectis v. inæquilateralibus, 3-septatis, ad septa (præcipue medium) constrictis, 4-guttulatis, fuligineis loculis mediis obscurioribus.

Hab. in trunculis humifusis putrescentibus Globulariæ cordifoliæ *a Colfosco* Sept. 1877 nec non Medicaginis lupulinæ *a Padova*, Martio 1874.

Obs. Diu pro *Amphisphæria zerbina* DNtrs habui, sed cum hujus sporidiorum loculi extimi multo angustiores, immo veræ appendiculæ hyalinæ sint, mea species jure meritoque distingui debet. Dubitavi insuper (nec dubium prorsus evanuit) an hæc mea species *Leptosphæriæ* generi adscribenda potius sit. Fructificatione enim cum *Leptosph. heterospora* (DNtrs) Niessl satis convenit, sed peritheciis longe differt.

134. **Melanomma ceratophorum** S. & S. Peritheciis late densiuscule disseminatis, globulosis, $^1/_3$ mill. d., semiinfossis, atris, carbonaceis in ostiolum crassiusculе conico-cylindraceum perithecium æquans v. excedens sensim productis; ascis cylindraceo-clavatis, brevi-stipitatis, apice obtusiusculis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis oblongis, 13–14 = 3 $^1/_2$–4, lenissime curvulis, utrinque acutiusculis, 3-septatis, ad septa vix constrictis, fuligineis.

Hab. in culmis Arundinis Donacis putridis *a Conegliano*, Aug. 1878.

Obs. A *M. longicolli* Sacc. F. it. fig. 293 ascis et sporidiis dimidio minoribus recedit.

135. **Melanomma Sylvanum** S. & S. Peritheciis laxe sparsis subsuperficialibus v. basi ligno infossis, glo-

bulosis, $^1/_4$ mill. d., obtuse papillatis perforatisque, denique sub-cupulatis, contextu subcarbonaceo, atro; ascis clavato-cylindraceis, 90–100 = 12, brevi-stipitatis, apice rotundatis, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis distichis oblongo-clavulatis, 25–30 = 6–7, rectis, utrinque obtusiusculis, loculo secundo subcrassiore, obsolete guttulatis dilute fuscis.

Hab. in trabe indurata abietina *a Selva,* Sept. 1878.

Obs. Peritheciis denique subcupulatis sporidiisque clavulatis a *Mel. medio,* cui affine, imprimis differt.

136. **Massaria penicillata** Sacc. Peritheciis laxe gregariis, subcutaneis, prominulis, globosis, $^1/_3$ mill. diam., ostiolo breve conoideo, setulis eseptatis fuligineis, 50 = 3, subpenicillatis ornato; perithecii contextu subcarbonaceo, distincte parenchymatico, fuligineo; ascis cylindraceis brevissime stipitatis apice, lumine integro, rotundatis, 90 = 15, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis v. oblique monostichis, oblongo-fusoideis, 20 = 8, 3–septatis, ad septum medium constrictis, rectis, utrinque obtusiusculis, strato mucoso obvolutis, loculis 1–2–guttulatis, hyalinis.

Hab. in ramulis corticatis Cytisi nigricantis in sylva *Montello,* Sept. 1877.

137. **Bertia italica** S. & S. Peritheciis gregariis, superficialibus et facile secedentibus, globulosis, majusculis, $^1/_2$ mill. diam., vertice obtusis, undique et perspicue rugoso-tuberculatis, nigris, subopacis, nucleo nigro; contextu coriaceo-molliusculo, distincte laxe parenchymatico fuligineo; ascis elongato-clavatis, 145 = 28, apice obtusiusculis, breve crasseque stipitatis octosporis, paraphysibus nullis visis; sporidiis distichis 32–35 = 12–14 oblongis v. subfusoideis, medio sæpe constrictis, 1–septatisque, utrinque obtusiusculis, 2–guttatis v. granulosis, hyalinis,

Hab. in cortice Juniperi communis *a Conegliano,* vere 1878 (Spegazzini).

Obs. A *Bertia moriformi* DNtrs, *B. querceti* Rehm et *B. lichenicola* DNtrs, ascis sporidiisque multo cras-

sioribus præsertim distinguenda; a *B. macrospora* Sacc. defectu paraphysum sporidiisque brevioribus.

138. **Enchnosphæria Caput-Medusæ** S. & S. Peritheciis sparsis, in ramulis infuscatis superficialibus, globulosis $^1/_4$–$^1/_3$ mill. diam., ostiolo obsoleto, fuscis, undique setis digerventibus, rigidulis, parce septatis, 80–250 × 8–10 (in basi), atro-fuligineis, sursum attenuatis pallidioribus laxe vestitis; contextu laxe parenchymatico fuligineo; ascis cylindricis, 90–110 × 7–8, brevissime noduloso-stipitatis, apice, lumine integro, rotundatis, paraphysatis, octosporis; sporidiis distichis, fusoideis, curvulis, utrinque obtusiusculis, 20–25 × 3–4, initio 4–6-nucleatis, dein tenuiter 5-septatis, loculo subintermedio crassiore, hyalinis.

Hab. in ramulis putrescentibus Catalpæ syringifoliæ *a Conegliano*, Sept. 1877.

Obs. Ab affini *Enchn. passicrini* Sacc. F. ital. tab. 142 differt præcipue setulis rigidulis, crassioribus, totum perithecium vestientibus, ascis sporidiisque fere dimidio angustioribus.

Sect. 6. **Scolicosporæ** Sacc.

139. **Linospora elata** S. & S. Peritheciis sparsis, stromate nullo exceptis plerumque epiphyllis, innato-prominentibus, globoso-conicis, $^1/_5$ mill. cr., ostiolo acuminato, longiusculo; contextu subcarbonaceo, atro; ascis bacillaribus, fasciculatis, 45–55 × $2^1/_2$, aparaphysatis; sporidiis (immaturis) filiformibus, exilissimis, ascum subæquantibus.

Hab. in foliis putrescentibus Corni sanguineæ *a Conegliano*, Martio 1877.

Obs. Etsi exemplaria nostra immatura videantur, peritheciorum characteres speciem distinctam designant.

140. **Linospora Magnagutiana** Sacc. F. ital. tab. 220. Michel. I, 45.

*L. faginea: peritheciis in maculis foliorum decoloratis laxe gregariis, epidermideque tumidula atronitente velatis, obtuse papillatis, contextu pachydermatico ni-

gro; ascis cylindricis fasciculatis, 100–120 × $3\frac{1}{2}$–4, aparaphysatis, octosporis; sporidiis ascos subæquantibus, $\frac{1}{2}$–$\frac{3}{4}$ micr. cr. continuis, obsolete guttulatis, hyalinis.

Hab. in foliis nondum emortuis Fagi sylvaticæ prope *Conegliano*, vere 1877 (Spegazzini).

Obs. Linosp. Magnagutiana typica (in Sorbo torminali) lecta fuit quoque in sylva *Montello* et a *Conegliano*.

141. **Lasiososphæria pygmæa** S. & S. Peritheciis laxe gregariis, superficialibus, globoso-conoideis, $\frac{1}{12}$–$\frac{1}{10}$ mill. diam., punctiformibus, setulis obtusiusculis, 50–70 × 5–6, eseptatis, fuligineis undique laxiuscule vestitis; perithecii contextu tenui-membranaceo, olivaceo-fuligineo; ascis crasse cylindraceis, brevissime stipitatis, 80–85 × 15–16, apice tunica integra rotundatis, paraphysibus filiformibus asco longioribus obvallatis, octosporis; sporidiis tristichis, bacillaribus, 50–60 × 4–$4\frac{1}{2}$, utrinque obtusiusculis, 10–11-septatis, loculis 1–2-guttulatis, hyalinis.

Hab. in culmis putrescentibus Triticorum *a Conegliano*, Sept. 1877 (Spegazzini).

Obs. Affinis *L. minutæ* Fckl. (Sacc. F. ital. t. 217) a qua sporidiis bacillaribus 10–11-septatis, habitatione &c. recedit.

142. **Lasiosphæria hispidula** S. & S. Peritheciis sparsis subsuperficialibus, globulosis, atris, vix $\frac{1}{3}$ mill. d. pertusis epapillatis, setulis longis, septatis, 100–180 × 3–4, fuligineis undique vestitis, basique hyphis ramosis, cinctis contextu subcarbonaceo atro; ascis cylindraceo-clavatis, breve stipitatis, 80–85 × 8–9, apice tunica integra attenuato-rotundatis, aparaphysatis, octosporis; sporidiis distichis v. subtristichis, bacillari-fusoideis, curvulis, utrinque obtusiusculis, 35–45 × $2\frac{1}{2}$–$3\frac{1}{2}$, plasmate inæqualiter 5–6-partito, non constrictis, hyalinis.

Hab. in culmis graminum minorum *a Conegliano*, vere 1878.

Obs. Tum a *Las. minuta* Fckl., tum a *L. pygmæa* Sacc. notis datis diversa.

Sect. 7. **Dictyosporæ** Sacc.

COOKELLA Sacc. nov. gen. *) Perithecia applanata, membranacea, subsuperficialia, astoma. Asci globoso-ellipsoidei, aparaphysati, octospori. Sporidia muriformia, colorata — Cum genere *Phymatosphæria* Pass. et *Saccardia* Cke ascorum et sporidiorum fabrica convenire videtur, sed conceptacula diversissima et sporidia colorata. A gen. *Asterina* Lév. defectu hypharum et sporidiis muralibus differt.

143. **Cookella microscopica** Sacc. Peritheciis punctiformibus, gregariis, superficialibus, dimidiato-applanatis, ambitu irregularibus, astomis; contextu tenerrimo celluloso, dilutissime fuligineo; ascis copiosis coacervatis, initio sphæroideis, dein ellipsoideis, 40–45 ≈ 30–35, sessilibus aparaphysatis, octosporis; sporidiis tristichis, oblongis, 20–24 ≈ 8–11, utrinque rotundatis, 3-septato-muriformibus, ad septa leniter constrictis, ochraceo-fuligineis.

Hab. in foliorum pagina inferiore languidorum Quercus pedunculatæ in sylva *Montello,* Oct. 1877, ut videtur, rarissime. Autumno 1878 ibidem frustra quæsivi.

Obs. Cum peritheciis ascigeris adsunt perithecia similia sed spermatiophora: spermatiis globulosis, v. obtuse angulosis, 7–8 micr. diam. initio 1-guttulatis hyalinis, dein ochraceo-fuligineis. *Stigmella dryina* (Cda) Lév. forte statum conidicum sistit.

144. **Pleospora straminis** S. & S. Peritheciis laxe gregariis, innato-erumpentibus, globulosis, papillatis, $^1/_3$ mill. diam., basi hyphis anastomosantibus fuligineis parce vestitis; contextu membranaceo, parenchymatico fuligineo; ascis cylindraceis v. subclavatis, brevissime crasse stipitatis, apice rotundatis, 140–150 ≈ 25–30, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis oblongo-fusoideis, utrinque obtusiusculis medio constri-

*) Ad honorem mycologi actuosissimi atque peritissimi M. C. Cooke londinensis.

ctis, 40–45 × 16–18, 9–11–septatis crebreque muriformibus, primo flavis, dein olivaceis, tandem fuligineis.

Hab. in vaginis putrescentibus nigrificatis Triticorum *a Conegliano*, Sept. 1877.

Obs. A *Pleosp. arctica* Karst. F. Spetsb. p. 97, cui affinis, sporidiis 10–11–septatis, loculisque omnibus (nec 1–2) longitudinaliter septatis differt.

145. **Pleospora oligomera** S. & S. Peritheciis laxe gregariis innato-erumpentibus, dein subsuperficialibus, globoso–depressis $^1/_4$–$^1/_3$ mill. diam., atronitidulis, obtuse papillatis, dein umbilicato-collapsis; contextu laxe celluloso, pachydermatico, fuligineo; ascis cylindraceis apice lumine integro rotundatis, brevissime stipitatis, 90–100 × 15–16, paraphysatis, octosporis; sporidiis oblique monostichis oblongo-ovoideis, 20–22 × 9–11, 3–septatis, ad septa leniter constrictis, septis longitudinalibus 1–serialibus, flavis dein fuligineis.

Hab. in caule putri Silenes *a Treviso*, Aprili 1878, rarius.

Obs. A *Pleosp. Bardanæ* Niessl, cui affinis, differt peritheciis dein umbilicatis, sporidiis utrinque obtusis &c.

146. **Cucurbitaria Rosæ** Wint. herb. *Cucurbitaria*.... Hazl. Sph. d. Rose p. 217 fig. 15.

Hab. in ramis Rosæ caninæ putrescentibus *a Padova*, Martio 1878.

Obs. Dubia in hoc genere species. Perithecia enim gregaria, sed subcutanea, ostioloque erumpente papillato donata. Contextus coriaceo-carbonaceus, parenchymaticus, ater. Asci cylindracei, 120 × 16–18, p. s. 100 lga, breve nodoso-stipitati, apice rotundati, paraphysibus copiosis filiformibus obvallati, octospori; sporidia monosticha v. subdisticha, oblongo-fusoidea, curvula, rectave, 5–7–septato-muriformia, ad septum medium constricta, 20–24 × 8–10, obscure olivacea. — Cucurbitaria Hazl. l. c. differret sporidiis 3–4–septatis, non constrictis, monostichis, an tamen constanter?

Hypocreaceæ *DNtrs.*

147. **Nectriella aurea** S. & S. Peritheciis superficialibus hinc inde dense congregatis, nitide aureis, globulosis vix papillatis, $^1/_8$–$^1/_5$ mill. d. denique collabescendo profunde cupulatis; contextu tenui laxiuscule areolato circa ostiolum radiante; ascis fusoideis facillime difiluentibus; sporidiis oblongis v. subfusoideis, rectis, 14–15 ≈ 4, utrinque obtusiusculis, 2–4–guttulatis, hyalinis (nonnullis e germinatione filigeris visis).

Hab. in cortice duriore Ulmi campestris *a Conegliano*, vere 1878.

Obs. Habitu et colore statim dignoscenda. A *Nectriella chrysite* (West.) Sacc. longe diversa.

148. **Nectriella jucundula** S. & S. Peritheciis superficialibus, dense gregariis, minutissimis, nitide cinnabarinis, e globoso conoideis, breve papillatis, $^1/_8$–$^1/_6$ mill. d.; contextu laxe areolato, rubente; ascis cylindraceo-clavulatis 35–40 ≈ 5–6, apice obtusiusculis, breve crassiuscule stipitatis, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, fusoideis, rectis curvulisve 10–12 ≈ 2–3, utrinque acutiusculis, plerumque 2–guttulatis, hyalinis.

Hab. in culmis putrescentibus Arundinis Donacis *a Conegliano*, Julio 1878.

Obs. A *Nectriella jucunda* (Mtg.) Sacc. Michelia III. 278, sporidiis fusoideis imprimis differre videtur.

149. **Nectria Cucurbitula** (Tode?) Fr. Kunze F. selecti n. 105!

Hab. in cortice Abietis excelsæ in sylva *Cansiglio*, aut. 1875–78.

Obs. Perithecia globosa, nitida, miniata, breve et obtuse papillata, non collabescentia, ergo vix congruentia cum icone 110 Todei F. Mekl., sed perfecte cum speciminibus optimæ Kunzeanæ Mycothecæ — Asci cylindrici 100–110 ≈ 6 sub apice constricti, breve stipitati, aparaphysati, octospori; sporidia monosticha oblongo-biconoidea, constricto-1-septata, 15–18 ≈ 7, 2–4–guttulata, hyalina.

150. **Nectria ditissima** Tul., Sacc. Michelia III. 291.

Hab. in cortice duriore fagineo in sylva *Cansiglio,* aut. 1876–78.

Obs. Perithecia hinc inde late et dense gregaria amœne sanguinea. Sporidia monosticha, oblonga, 14 × 6, utrinque obtusiuscula, 1–septata, leniter constricta, hyalina.

Dothideaceæ *Nke.*

151. **Phyllachora sylvatica** S. & S. Stromatibus ovatis oblongisve brevibus, $^1/_2$–$^3/_4$ mill. longis, tumidulis, atro-fuligineis, subcoriaceis; nucleis globulosis laxiusculis, ostiolis 25 micr. diam. cellulis radiantibus pallidis extructo; ascis cylindraceo-clavatis, breve noduloso-stipitatis, 90–95 × 15, paraphysibus filiformibus guttulatis obvallatis, octosporis; sporidiis subdistichis ovato-oblongis, quandoque inæquilateralibus, 17–18 × 8, utrinque obtusiusculis, granulosis guttulatisve, hyalinis.

Hab. in foliis vivis Festucæ duriusculæ in sylva *Cansiglio,* Aug. 1878.

Obs. A *Ph. Bromi* Fckl. sporidiis oblongis, multo longioribus, a *Ph. Agrostis* Fckl. sporidiis continuis brevioribusque distinguenda.

Lophiostomeæ *Sacc.* (Mich. III. 337)

152. **Schizostoma querceti** S. & S. Peritheciis globulosis (in corticis libro) immersis v. semiimmersis, $^1/_3$ mill. d. nigris, subcarbonaceis, ostiolo minuto, compresso; ascis cylindraceis, 110–130 × 12, brevissime noduloso-stipitatis, apice, lumine coarctato, obtusatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis recte v. oblique monostichis, liconico-oblongis, constricto-1–septatis, 24–28 × 8–10, pluri-guttulatis, hyalinis.

Hab. in cortice quercino prope *Conegliano,* vere 1878.

Obs. I. A *Schiz. vicino* Sacc. F. it. fig. 239 sporidiis jugiter hyalinis visis et peritheciis dimidio minoribus differt.

Obs. II. Inter Lophiostomeos quos cl. de Thümen egregio C. Spegazzinio examinandos benevole tradidit, species pulcherrima adest, quæ sub falso nom. *Sphæriæ macrostomæ* e collectione beati Desmazieres sub num. 622, 1205 et 1272 provenit. Hæc jure meritoque *Loph. Desmazierii* nomine salutanda et sic definienda.

153. **Lophiostoma Desmazierii** S. & S. Peritheciis gregariis ligno v. cortice penitus infossis v. semiimmersis globulosis, $^1/_4$–$^1/_3$ mill. diam., carbonaceis, nigris, ostiolo anguste lineari, truncato; ascis cylindraceis, 170–180 = 15, apice, lumine obsolete 1–foveolato, rotundatis breve stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis oblique monostichis oblongo-fusoideis, 35–40 = 10–12, 3–septatis, ad septum medium constrictis, ochraceo-fuligineis minute dense verruculosis stratoque hyalino obvolutis.

Hab. in ramulis Rhamni cathartici ad *S^te^. Lucie* (Gallia) et ramulis Aceris campestris ad *Courtrai* (Belgia).

Obs. Species sporidiis constanter muriculatis et mucosis nobilissima.

154. **Lophiotrema Thümenianum** (Speg.) Sacc. Mich. III. 338. *Lophiost. Thümenianum* Speg. in Thüm. Pilze d. Weinst. p. 119 f. I. fig. 19. et Ampel. ital. n. 33.

Hab. in sarmentis emortuis Vitis viniferæ *a Conegliano,* aut. 1877.

Obs. Asci clavato-cylindracei, 150–180 = 20, paraphysati, octospori. Sporidia elongato-fusoidea, curvula 60–65 = 10, constricto-9–10-septata, loculis pluriguttulatis, diu hyalina, tandem (senio?) dilute-fuliginea. A *L. alpigeno* Fckl., cui simillimum, differt sporidiis paulo majoribus, senio fuscescentibus, an satis?

155. **Lophiotrema crenatum** (Pers.) Sacc. Mich. III. 338. *Lophiostoma crenatum* (Pers.) Nke.

Hab. in ligno decorticato putrescente *a Cerlongo*

(Mantova) ubi legit Com. A. Magnaguti-Rondinini, Apr. 1875.

Obs. Perithecia ligno insculpta, ostiolo latissimo, compresso, subcrenato. Asci cylindraceo-clavati, 110 × 15, paraphysati, octospori; sporidia disticha, fusoidea, recta curvulave, 28 × 6–7, utrinque attenuata, 4-nucleata, subtiliter 3-septata, hyalina.

156. **Lophiotrema massarioides** Sacc. Peritheciis laxe gregariis, cortice nidulantibus, erumpentibusque, globulosis, $^3/_4$ mill. diam., ostiolo crassiuscule compresso, truncato, rimoso; ascis cylindraceo-clavatis, 150 × 18–20, breviuscule noduloso-stipitatis, apice rotundatis, paraphysibus filiformibus asco brevioribus obvallatis, octosporis; sporidiis, distichis, elongato-fusoideis, utrinque acutatis, 45 × 8–9, strato hyalino obvolutis, rectis v. curvulis, 8-9-cuboideo-nucleatis vel tandem tenuiter septatis, hyalinis.

Hab. in ramulis corticatis Ailanthi glandulosæ *a Sermide*, prov. Mantuæ, Majo 1877 (A. Magnaguti-Rondinini).

157. **Lophidium thyridioides** S. & S. Peritheciis laxe gregariis ligno superficie late atro-inquinata fere omnino immersis, vix $^1/_2$ mill. diam., e globoso-ellipsoideis, carbonaceis, aterrimis, supra obtuse rotundatis, ostiolo lineari vix manifesto denique longe rimose dehiscente; ascis crasse cylindraceis, 140–150 × 28–30, brevissime incurvo-stipitatis, apice rotundatis, octosporis; sporidiis distichis, cylindraceo-oblongis, 36–40 × 12–14, rectis v. curvulis, utrinque rotundatis, initio cribrose guttulatis hyalinis, dein flavidis, tandem distinctissime 10–13-septato-muriformibus, ad septa leniter constrictis, olivaceo-fuscis.

Hab. in ramis decorticatis Quercus sessilifloræ *a Conegliano*, aut. 1877.

Obs. Ob matricem nigrificatam, ostiola obsolete lophiostomoidea, et perithecia immersa ad *Thyridium* e. g. *Rousselianum* S. & S. (F. ital. tab. 319) nonnihil accedit. Ob sporidia grandia et crebre septata ad *Loph. pachysporum* Sacc. (F. ital. tab. 231) vergit,

quod vero ostiolis majusculis et perfectis præ ceteris statim dignoscitur.

Hysteriaceæ *Cda.*

158. **Glonium pygmæum** Karst. Fenn. II. 239.

Hab. in ligno emortuo Thujæ orientalis *a Selva,* Oct. 1878.

Obs. Perithecia nudo oculo vix perspicenda, ovato-oblonga, vix $^1/_{10}$ mill. longa, rimulâ latiusculâ percursa. Asci crasse clavato-obovati, 40-50 × 18–25, subsessiles, apice tunica crassa semiperforata, obtusissimi; aparaphysati, octospori; sporidia tristicha–conglobata, oblongo-didyma, 10-11 × 4–5, rarius 15 × 6, medio constricta, hyalina.

159. **Hysterographium grammodes** (DNtrs) Sacc. M. V. n. 1279. *Hysterium grammodes* DNtrs. Pir. ister. pag. 20. Cfr. Michelia I. pag. 55.

Hab. in ligno decorticato Oleæ europææ in collibus Euganeis et *di Conegliano,* 1876-78.

Obs. Etsi peritheciis minusculis verum *Hysterographium,* fructificatione *Hysterogr. viticolo* (C. & P.) Rehm affine. Asci cylindracei v. cylindraceo–clavati, 90–100 × 15-18, stipite noduloso 20-40 lgo suffulti, paraphysati, octospori. Sporidia disticha v. pro parte monosticha obovata, 3-5-septato-muriformia, medio constricta, utrinque obtusa, 20-24 × 9-10, rufo-fuliginea. Dantur species ut hæc, nec non *Anthostomella appendiculosa,* quæ propriis et sepositis locis præbent individua externa facie typicis simillima, sed intus constanter sporidiis hyalinis aliterque formatis foeta. *Hysterographio* huic respondet ut (Mich. l. c.) monui, *Hysterium australe* Duby (Sacc. F. V. Ser. IV. 26), dum citatæ *Anthostomellæ* respondet *Rebentischia* mea *appendiculosa* (F. Ven. Ser. V. 177). De quibus observandum (et sane mirum) quod et in exemplaribus maturescentibus sporidia quoque immatura sæpe reperiantur, sed hæc semper aliqua nota differunt ab

iis, quæ jugiter immatura manent. Sic in *Rebentischia* nunc memorata sporidia appendicula eximie rostriformi et facile secedente utuntur, qualia in *Anthostomella* immatura neutiquam observavi. Ex quibus observationibus deduci posse videtur quod aut locus vim organorum modificandæ evolutionis possideat, aut præfata individua (etsi habitu simillima) species sistant diversas.

160. **Hysterium pulicare** Pers. Sacc. Mycol. Ven. p. 158. * **H. fruticum**. Peritheciis superficialibus oblongo-cylindraceis elevatis, utrinque rotundatis, 1 mill. circ. lgs et $^1/_2$ cr., carbonaceis, nitentibus, rimula tenuissima percursis; ascis cylindraceis, brevissime stipitatis, 60-70 ≈ 12-15, apice rotundatis, paraphysibus filiformibus subcoalescentibus obvallatis, octosporis; sporidiis distichis, elongato-fusoideis, curvulis, 20-22 ≈ 6-7, utrinque obtusiusculis, 3-septatis, ad septa constrictis, 4-guttulatis, totis dilute fuligineis.

Hab. in ramulis decorticatis Callunæ vulgaris *a Conegliano,* Oct. 1877 (Spegazzini).

Obs. Ab *Hysterio Callunæ* Cr., *H. pullo* DNtrs et *H. orygmæo* Duby (æque in Ericis parasiticis) longe differt. Multo magis ad *H. pulicare* Pers. et *H. angustatum* A. S. accedit.

161. **Hysterium pulicare** Pers. ***H. vulgare** DNtrs. Pir. ister. p. 18. *H. pulicare* Cda Ic. fung. V. t. IX fig. 61. *H. angustatum* pl. auct., non A. S.

Hab. in cortice duriore Æsculi Hippocastani *a Padova,* Martio 1878.

Obs. A typo peritheciis minoribus, magis depressis, levioribus differt; ab *H. angustato* A. S. (Michelia I. 55) sporidiis majoribus &c.

162. **Hysterium** (Gloniopsis) **microthecium** S. & S. Peritheciis hinc inde in partibus matricis dealbatis gregariis, parallelis, innato-erumpentibus anguste linearibus $^1/_2$-$^3/_4$ mill. longis, $^1/_{10}$ mill. crassis, rimula percursis; contextu cellulari atrocyaneo, molliusculo; ascis fasciculatis, oblongis v. obpyriformibus nunc 20 ≈ 15, nunc 30 ≈ 10, brevissime stipitatis, apice tunica incrassata rotundatis, aparaphysatis, octosporis; spo-

ridiis di- vel tristichis oblongis v. subclavulatis, utrinque obtusiusculis, 12-15 × 4-5, rectis v. vix inæquilateralibus, initio 4–nucleatis, dein 3–septatis non v. vix constrictis, hyalinis.

Hab. in culmis induratis Arundinis Donacis vites sustinentes *a Conegliano,* Maio 1878.

Obs. Ab *H. minimo* Sacc. et *H. Moliniæ* DNtrs. quibus affine, differt matrice conspicue albo-maculata a primo insuper paraphysibus nullis, sporidiis vix constrictis, ab altero ascis sporidiisque minoribus &c.

163. **Lophodermium Pinastri** (Schrad.) Chèv. Duby Hyster. p. 46.–f. **Abietis excelsæ.**

Hab. in ejusdem acubus languidis in Monte *Spinale* prope *Campiglio* in agro Tridentino, Aug. 1876 (Com. A. Magnaguti-Rondinini).

Obs. Asci cylindraceo-fusoidei, subsessiles, 110 × 15, paraphysibus bacillaribus obvallati, octospori. Sporidia bacillaria, 100 × 1-½, sæpe apice curvula obtusa, pluriguttulata, hyalina.

164. **Mytilidion aggregatum** (Fr.) Duby Hyst. p. 22. t. 1. fig. 3.

Hab. ad truncos putres decorticatos Pini Strobi *a Conegliano,* aut. 1877 (Spegazzini).

Obs. Perithecia hinc inde aggregata, mytiliformia, vix ½ mill. lga carbonacea, basi setulis rigidulis fuligineis (constanter?) cincta. Asci cylindracei breve stipitati 120-130 × 10, apice obtusati, octospori. Sporidia submonosticha initio subdidyma, dein fusoidea, 20-24 × 6-7, 3-septata, ad septum medium leniter constricta olivaceo-fuliginea, quandoque loculis extimis pallidioribus — Descriptio et icon Dubyi l. c., etsi non perfecte congruant, non obstant.

165. **Mytilidion decipiens** (Karst.) Sacc. Michel. I. p. 55. * **Conorum.**

Hab. in squamis strobilorum Abietis excelsæ *a Conegliano,* aut. 1877 (Spegazzini).

Obs. A typo vix differt ascis angustioribus (nempe 100 × 7) sporidiis pariter angustioribus (nempe 20 × 4) 3–septatis, vix constrictis, subolivaceis.

Elaphomyceteæ *Tul.*

166. **Elaphomyces anthracinus** Vitt. Monogr. Tuber. p. 66 t. III. fig. 8. et Lycoperd. ital. p. 206.

Hab. in terra calcareo-sabulosa detritis quercinis immixta subsuperficialis in sylvula comitis *Giustiniani* prope *Conegliano*, æstate 1878 (Spegazzini).

Obs. Odore Rhaphani acutissimo nec non cortice levi nigro species statim dignoscenda et soli *E. pyriformi* Vitt. affinis. Sporidia globosa 20 micr. d. fuligineo-ochracea, levia episporio denique atro subcarbonaceo frustulatim secedente. Flocci hyalini, septulati.

167. **Elaphomyces decipiens** Vitt. Monogr. Tuber. p. 68. Lycop. p. 219 t. III. fig. 4. Sturm. D. C. F. t. 11.

Hab. in terra sabuloso-calcarea nuda in sylvula quercina *Giustinian* prope *Conegliano*, vere 1878 (Spegazzini).

Obs. I. Cortex flavo-rufescens, dein nigricans, minutissime tuberculatus, tuberculis applanatis; peridii caro brunneo-fusca corticem versus maculis albis majusculis variegata, gleba aterrima; asci 3–4-spori; sporidia globosa 18–28 micr. d. primo levia fuliginea, episporio dein frustulatim secedente atro exasperata. Odor funginus levis.

Obs. II. Cl. Spegazzini in eadem sylvula *Giustinian* in El. decipientis societate magna manu legit quoque *Elaphomycetem variegatum* Vitt. Monogr. Tub. p. 68 t. IV. f. 4. Sacc. F. V. ser. I. 134 et M. V. Cent. XIV. In hoc cortex nitide flavicans, exquisite et majuscule tuberculatus, tuberculis tri–pentagonis vertice obtuse acutato; peridii caro crassiuscula fusco-rubescens, ubique reticulatim albido–variegata; gleba atro-coffeicolor; asci 2–3-spori; sporidia globosa, 16–22 micr. d. primo levia fuliginea, episporio dein frustulatim secedente atro exasperata. Odor fungi intensissimus urinæ felinæ. Hujus speciei varietas *fuscescens* ibidem lecta peridiis minoribus minutius tuber-

culatis obscurius coloratis, sporidiis episporio initio evidentius radiatim striatulo a typo dignoscitur.

168. **Elaphomyces Persoonii** Vitt. Tuber. p. 70. t. IV. fig. 18.

Hab. in humo ad profund. 3–7 cent. inter radices quercuum in sylvula *Giustinian* prope *Conegliano,* vere 1878 (Spegazzini).

Obs. Cortex niger distincte tuberculatus; peridii caro albido-rufescens, gleba atro-virens. Sporidia globosa 22–28 micr. diam., fuliginea, crassiuscule tunicata eximie reticulata. Odor funginus.

169. **Cenococcum geophilum** Fr. S. M. III. 66.

Hab. inter radices muscorum *a Bresseo* (Euganei). Febr. 1877 et *a Conegliano,* Martio 1877 (Spegazzini).

Obs. Peridiola speciminum Euganeorum intus cava, coneglanensium e contra nucleo proprio cellulari atro farcta.

Discomycetae *Fr.*

170. **Blitridium hiascens** (B. & C.) Sacc. *Hysterium hiascens* B. & C. in Grev. IV. p. II. *Triblidium hiascens* Cooke in Grev. IV. 182. t. 67. fig 6. Non *Hysterographium hiascens* Rehm Ascom. n. 314, quod verum *Hysterographium* videtur.

Hab. in cortice duriore quercuum in silva *Montello,* socio *Hysterio pulicare* Pers., Aug. 1877.

Obs. Ascomata patellaria, sessilia, coriaceo-carbonacea, tota nigra vix $^3/_4$ mill. diam. margine acutiusculo, nunc hysteriiformiter laxe connivente, nunc expanso lecanidiaceo. Asci clavati, 120–140 × 25–28, breve crasse stipitati, apice lumine initio subangustato, rotundati, paraphysibus filiformibus, simplicibus furcatisve, apice materie atrocærulea coalescentibus, obvallati, 4–6–8spori, sed typice 8–spori. Sporidia oblonga, subdisticha, 30–35 × 18, utrinque rotundata, recta v. curvula initio cribrose guttata dein 7–8–se-

plato-muriformia, ad septa non v. vix constricta, ochraceo-fuliginea.

171. Embolus Clavus S. & S. Gregarius v. sparsus totus niger; ascomatibus obconico-lenticularibus, planis v. convexulis, non v. vix marginatis $^1/_3$–$^2/_5$ mill. diam., stipite cylindraceo $^3/_4$ mill. longo atro fultis; contextu excipuli minute parenchymatico, subcoriaceo, stipitis prosenchymatico fibroso; ascis cylindraceis, 70–85 × 5–6$^1/_2$, breve stipitatis, apice tunica integra truncatis, pseudoparaphysibus filiformibus obvallatis, octosporis; sporidiis recte v. oblique monostichis oblongo-ellipsoideis, 12–15 × 5, olivaceo-fuligineis.

Hab. in ligno putrescente decorticato Castaneæ vescæ *a S. Polo,* Oct. 1877.

Obs. Thallus prorsus nullus. Ab *Embolo ochreato* DNtrs, Sacc. F. V. ser. IV. p. 28. ascis sporidiisque duplo longioribus recedit.

EMBOLIDIUM Sacc. nov. gen. Ascoma prorsus *Emboli.* Asci paraphysati, octospori. Sporidia *didyma* fusca.

172. Embolidium italicum S. & S. Ascomatibus gregariis in ligno dealbato superficialibus, totis nigris, lenticularibus, convexulis, $^1/_4$ mill. latis, stipite filiformi vix 1 mill. lgo nigro fultis; stipitis contextu prosenchymatico, excipuli parenchymatico fuligineo, subcoriaceo; ascis cylindricis brevissime stipitatis, 58–62 × 4$^1/_2$–5, apice abrupte obtusiuscule attenuatis, tunica incrassata, paraphysibus filiformibus obvallatis, octosporis; sporidiis monostichis ovato-oblongis, 7–8 × 3–4, 1-septatis leniter constrictis, primo dilute olivaceis, dein olivaceo-fuligineis.

Hab. in ligno fagineo indurato in sylva *Cansiglio,* Aug. 1878.

173. Tympanis amphibola (Mass.) Karst. Mycol. Fenn. I. 230. *Pragmopora amphibola* Mass., *Cenangium sphæroides* Niessl herb.

Hab. ad corticem Pini sylvestris *a Susegana,* Aug. 1878.

Obs. Ascomata erumpenti-superficialia, lecanidiacea, nigra. Asci cylindraceo-clavati, brevissime stipitati,

apice tunica integra, rotundati, 70–75 × 8–10, paraphysibus asco longioribus sursum paulum incrassatis guttulatis obvallati, 8spori. Sporidia disticha v. obliique monosticha, fusoidea utrinque acutiuscula, 18–20 × $3^1/_2$–$4^1/_2$, 3–septata leniter curvula, hyalina.

174. **Cenangium ferruginosum** Fr. Kx. Flandr. I. 472. Karst. Fenn. I. 221.

Hab. in ramulis emortuis Pini sylvestris *a Susegana,* vere 1877.

Obs. Ascomata ob senectutem nigra et detersa observata. Asci clavati, breve stipitati 70–80 × 14–15, apice rotundati, paraphysibus virescentibus, filiformi–clavatis obvallatis, octosporis; sporidiis ellipsoideis, 12–14 × 5–6, 2–guttulatis hyalinis.

175. **Cenangium pithyum** (Fr.) Fckl. Symb. mycol. p. 269.

Hab. in ramulis corticatis emortuis Abietis in sylva *Cansiglio,* Aug. 1878 (Spegazzini).

Obs. Asci cylindraceo-clavati 100 × 18, paraphysibus bacillaribus obvallati, sporidiis spermatioideis curvulis 3 × $^1/_2$ inæqualibus hyalinis farcti. Ascomata hinc inde aggregata, atronitentia.

*C. **juniperinum**: asci 80–90 × 10–11, ceterum typo similes, æqualiter paraphysati et myriospori. Ascomata similia, v. paulo majora, opace nigra.

Hab. in cortice trunci Juniperi communis in sylva *Cansiglio,* Aug. 1878.

176. **Pezicula rhabarbarina** (Berk.) Tul. III. 183. Fckl. Symb. 278. *Patellaria rhabarbarina* Cke Hndb. p. 717. ubi synonyma.

Hab. in sarmentis putrescentibus Rubi fruticosi in collibus Euganeis, vere 1878.

Obs. Asci cylindraceo-clavati, breve crasseque stipitati, 110 × 18, paraphysibus filiformibus apice subincrassatis obvallati, octospori; sporidia oblongo-cylindracea, utrinque rotundata, 18–20 × 6–7, curvula, granulosa, hyalina. Ascomata patellulata, flavo-fulva, pilis clavulatis flavis adspersa.

177. **Trochila Populorum** Dmz. Exs. III. 451.

Hab. in pagina inferiore foliorum Populi pubescentis *a Conegliano*, Majo 1877. (Spegazzini).

Obs. Ascomata discoidea, atra, erumpentia, minuta. Asci clavati, 70–80 × 15, breve stipitati, apice, tunica integra, obtusiusculi, paraphysibus bacillaribus obvallati, 8spori. Sporidia disticha, oblongo-ellipsoidea, 12–15 × 5–6, utrinque subrotundata, 2–guttata, hyalina.

178. **Trochila prominula** S. & S. Ascomatibus laxe gregariis, innatis, dein, epidermide operculatim disrupta, erumpenti-prominulis, patellulatis, concaviusculis, atris, $^1/_5$ mill. diam., margine rectiusculo; excipuli contextu laxe parenchymatico, fuligineo; ascis clavatis, 65–70 × 10–12, breve sensim stipitatis, apice obtusatis, paraphysibus filiformibus apice subincrassatis, obvallatis, octosporis; sporidiis distichis, ovoideo-sub-oblongis, 18–20 × 6, utrinque obtusiusculis rectis curvulisve, crasse 2–guttatis, hyalinis.

Hab. in foliis Juniperi Sabinæ v. affinis emortuis *a Conegliano*, æstate 1877. (Spegazzini).

179. **Trochila diminuens** Karst. Mycol. Fenn. I. 248. ***T. crastophila.**

Hab. in foliis languidis Moliniæ cæruleæ *a Conegliano*, Junio 1878.

Obs. Ascomata orbiculari-ellipsoidea, innata et epidermide diu velata, nigricantia $^1/_4$ mill. longa; asci fusoideo-elongati 55–60 × 10 brevissime stipitati, paraphysibus bacillaribus, septulatis 65–70 × 4–5, apice clavula crassiuscula terminatis obvallatis, octospori; sporidia disticha, cylindracea, utrinque obtusiuscula 16–18 × 3–4, crasse 2–guttata, hyalina. A typo præcipue ascomatibus margine integris nec laceris distingui videtur. — *Micropeziza subrelata* Rehm habitu huic affinis videtur, sed ascos ejus reperire non potui in exemplaribus Rehmianis.

180. **Stegia dumeti** S. & S. Ascomatibus disciformibus, immersis dein epidermide operculatim disrupta parum emergentibus, subcinereis, margine denique paululum elevato pallidiore, ascis cylindraceo-clavatis 50–60 × 7–8, breve stipitatis, initio apice cuspidatis, mox cu-

spide amissa, obtusiusculis, pseudoparaphysibus cylindraceo-cuspidatis obvallatis; sporidiis octonis (an quandoque pluribus?) cylindraceis, 6–7 ≈ 1, rectiusculis, utrinque obtusiusculis, hyalinis.

Hab. in sarmentis emortuis Rubi fruticosi *a Conegliano,* vere 1877. (Spegazzini).

Obs. Ob epidermidem supra ascomata circulariter scissam nec non ob fabricam ascomatis generi *Stegiæ* adscribenda species, etsi ramulicola.

181. **Nævia lætissima** (Ces.) Fckl. Symb. mycol. pag. 249.

Hab. in caulibus ramisque emortuis Equiseti palustris *a Conegliano*, vere 1877. (Spegazzini).

Obs. Asci immaturi cylindraceo-clavati breve stipitati, 80 ≈ 8, paraphysati. Sporidia non vidi. Ascomata minuta, patellaria, erumpentia, miniata, diaphana.

182. **Propolis faginea** (Schrad.) Karst. Fenn. I. 244 f. **strobilina** Dmz. — f. **cinerascens** (Pers.) — f. **nivea** Fr. (= *P. versicolor* Fr. f. *nivea* Cfr. Mich. I. 61).

Hab. prior in squamis strobilorum Pini sylvestris *a Susegana*, Aug. 1877, altera in ramulis salicinis *a Montebelluna,* Aug. 1877. (Spegazzini).

183. **Stictis minima** S. & S. Ascomatibus immersis, minimis, vix $^1/_{10}$–$^1/_8$ mill. diam., margine exiguo integro albicante, excipulo laxe parenchymatico fuscidulo matricem circum circa breve atroinquinante, disco infosso, dilutissime roseo; ascis cylindricis, 160–190 ≈ 5–6$^1/_2$, breve stipitatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis asci longitudine, filiformibus 1 micr. cr. continuis, hyalinis.

Hab. in caule putrescente Lamii Orvalæ *a Conegliano*, vere 1877.

Obs. I. A speciebus affinibus minutie et excipuli fabricâ distincta species videtur.

Obs. II. Egr. C. Spegazzini in collibus Euganeis prope *Bressèo*, Febr. 1878 legit bene evolutam *Stictidem Pupulam* Fr. (Mich. I, 61) f. *Fraxini Orni:* ascomatibus immersis, denique urceolatis, intus nigricantibus, mar-

gine prominulo griseo subpruinoso; ascis cylindricis 150–180 × 8, paraphysatis, octosporis; sporidiis filiformibus ascum subæquantibus obsolete septatis, hyalinis.

184. **Stictis arundinacea** Pers. Mycol. eur. I. 336. *Schmitzomia arundinacea* (Pers.) Karst. Fenn. I. 239.

Hab. in culmis putrescentibus Andropogonis Ischæmi *a Selva* et *a Conegliano*, Sept. 1877.

Obs. Ascomata demum emergentia, margine et extûs albido-furfuracea, disco concaviusculo, sordido v. nigricante. Asci cylindrici 200 × 6–7, copiosissime paraphysati, apice obtusati. Sporidia ascum subæquantia filiformia, 1 $^1/_2$ micr. crass., hyalina.

185. **Schizoxylon æruginosum** Fckl. Symb. mycol. 251.

Hab. in ramulis Robiniæ Pseudacaciæ putridis *a Conegliano*, æstate 1878 (C. Spegazzini).

Obs. Ascomata erumpentia, disciformia, cortice laciniatim fisso cincta, viridi-æruginosa, margine albicante. Asci cylindracei, apice rotundati, breve stipitati 150–180 × 8–10, paraphysibus filiformibus obvallati, octospori. Sporidia filiformia mox in articulos cylindraceos utrinque obtusos, minute 1–2-guttulatos, longitudine varios (4–12 × 2–3) hyalinos dilabentia.

186. (*) **Pyrenopeziza? castanea** Sacc. Ascomatibus gregariis superficialibus, sessilibus, $^1/_3$-$^1/_2$ mill. diam., concavis, obtuse marginatis siccis non contractis, hyphis repentibus basi cinctis, excipuli contextu parenchymatico ad marginem prosenchymatico; ascis cylindraceo-clavatis, breve stipitatis, 70–80 × 9–10, apice rotundatis, paraphysibus filiformibus obvallatis, octosporis; sporidiis distichis fusoideis rectis, curvulisve 15 × 4, (spuric?) 1–septatis, non constrictis, hyalinis.

Hab. in ligno decorticato putrescente Castaneæ vescæ in Euganeis *a Bressèo*, Martio 1878.

Obs. Ob sporidia 1–septata, hyphulis circa ascomata &c. statim dignoscitur, at vix huic generi spectat.

(*) Genera Pezizearum hucusque ut plurimum ad normam Fuckelii admisi: in tribus vero generali revisione, quæ in mente est, non parum reformanda et reducenda fore videntur.

187. **Pyrenopeziza pusilla** S. & S. Ascomatibus gregariis, initio epidermide subvelatis, sphærioideis, dein semierumpentibus, scutellaribus, vix $^1/_4$ mill. diam., ubique atris; parce hiantibus; contextu excipuli minute parenchymatico, circa marginem prosenchymatico olivaceo-fuligineo; ascis subclavatis, breve stipitatis, 55–65 × 7, obsolete paraphysatis, octosporis; sporidiis oblique monostichis ovato-oblongis, 8–10 × $3^1/_2$–$4^1/_2$, guttulatis, hyalinis.

Hab. in caule emortuo Menthæ *a Conegliano*, aut. 1877.

Obs. Affinis *P. Gentianæ* (Pers.) Fckl. sed matrix non nigrificata &c.

188. **Pyrenopeziza Rubi** (DNtrs.) Rehm, *Mollisia atrata* * *Rubi* Karst. *Trochila Rubi* DNtrs.

Hab. in sarmentis Rubi fruticosi putrescentibus *a Conegliano*, aut. 1877. (Spegazzini).

Obs. Excipuli contextus parenchymaticus, ad marginem breve prosenchymaticus totus fuligineo-ater, cellulis nonnullis prominentibus et saturatioribus. Asci clavato-cylindracei, 40 × 7, paraphysibus bacillaribus obvallati, octospori; sporidia disticha oblongo-cylindracea, 8–10 × $1^1/_2$, hyalina. Ascomata demum tota atra et sicca varie complicata.

189. **Pyrenopeziza Plantaginis** Fckl. Symb. mycol. p. 294.

Hab. in foliis scapisque Plantaginis lanceolatæ putrescentibus *a Conegliano*, æstate 1878. (Spegazzini).

Obs. Asci cylindracei breve stipitati, 35–40 × 7–8, octospori; sporidia disticha, fusoidea, 12–15 × 4, 2-guttulata, granulosaque, hyalina — *P. atratæ* affinis.

190. **Pyrenopeziza acicola** S. & S. Ascomatibus sparsis erumpenti-superficialibus, totis atris, duriusculis, $^1/_4$ mill. d. concaviusculis; contextu obsolete celluloso, ad marginem radiante ochraceo; ascis cylindricis brevissime stipitatis, paraphysatis, 40–45 × 6, octosporis; sporidiis oblique monostichis bacillari-clavulatis, 7–$8^1/_2$ × 1–$1^1/_2$, curvulis, hyalinis.

Hab. in acubus putridis Pini sylvestris, *a Susegana*, Jan. 1878.

PIROTTÆA Sacc. nov. gen. *). Ascomata superficialia v. erumpenti-superficialia, sessilia, scutellata, subcarbonacea, nigra, setulis rigidis vestita. Asci octospori, sporidiis oblongatis, continuis hyalinis. — Habitus Pyrenopezizæ sed ascoma setigerum.

191. **Pirottæa Veneta** S. & S. Ascomatibus subsuperficialibus, gregariis, scutellatis, sessilibus, $^1/_6$–$^1/_5$ mill. diam., aterrimis, in sicco subclausis, setulis cuspidatis, 40–50 × 5, parce septatis, obscure fuligineis (ad marginem crebrioribus) vestitis; excipuli contextu distincte parenchymatico, atro, cellulis facile secedentibus; ascis cylindraceo-clavatis, 40–45 × 8, apice obtusiusculis, subsessilibus, paraphysibus bacillaribus obvallatis, octosporis; sporidiis cylindraceis, utrinque rotundatis, 14–15 × 2–2 $^1/_2$, 2-guttulatis, hyalinis.

Hab. in caule, rarius foliis emortuis Hellebori viridis *a Conegliano*, vere 1878.

192. **Niptera melaleuca** (Fr.) Fckl. Sacc. F. V. Ser. IV. 31. **N. echinicola.* Ascomatibus adnato-sessilibus, gregariis, $^1/_2$–$^1/_3$ mill. diam., concavis, fuscis, disco margineque pallidioribus; excipuli contextu parenchymatico, ad marginem prosenchymatico fuligineo: ascis cylindraceo-clavatis, 50–60 = 7–8, breviter stipitatis, apice rotundatis, paraphysatis, octosporis; sporidiis distichis, v. oblique monostichis, 8–10 × 2–3, clavulatis v. sub-fusoideis, brevissime curvis, hyalinis.

Hab. in spinis capsularum putrescentium Castaneæ vescæ, Aug. 1877, *a Susegana* (Spegazzini).

193. **Niptera cinerea** (Batsch) Fckl. Sacc. Mycol. Ven. 162.

Plures formas, forte specifice distinguendas observavi:

a. *luteola:* ascomatibus griseis $^3/_4$ mill. diam. margine undulato, disco amœne cerino; ascis clavulatis 25–35 = 4–5; sporidia oblongo-cylindracea, 2-guttulata, 5–

(*) Novum genus egregio mycologo et amico optimo Doct. R. Pirotta in Universitate Ticinensi adjuncto dicatum.

6 × 1–1 $^1/_4$. — In ramis decorticatis Castaneæ vescæ, *a Conegliano,* aut. 1877 (Spegazzini).

b. *grisella:* ascomatibus minutis, depressis $^1/_3$ mill. diam., griseis, disco pallidiore; ascis clavulatis 40–45 × 4; sporidia cylindracea, 9–10 × 1$^1/_4$–2, 2-guttulata, recta. — In caulibus Eupatorii cannabini, *a Conegliano,* Majo 1877. (Spegazzini).

c. *culmina:* ascomatibus depressis $^1/_2$ mill. diam., aquose albidis extus fuscidulis; ascis cylindraceo-clavulatis, 35–45 × 3$^1/_2$-4; sporidiis cylindraceis, curvulis, 5–6 × 1$^1/_2$–In culmis putrescentibus Triticorum *a Selva,* aut. 1877.

d. *donacina*: ascomatibus depressis $^1/_2$ mill. diam., sordide albis, extus nigricantibus; ascis clavatis, 40 × 5$^1/_2$; sporidiis cylindraceis curvulis, 10 × 1$^1/_2$, 2-guttatis — In culmis Arundinis Donacis putrescentibus *a Conegliano,* aut. 1877 (Spegazzini).

e. *caricina:* ascomatibus depressis $^1/_3$ mill. diam. cinereo-albis, extus fuscescentibus; ascis clavato-fusoideis 55–60 × 5; sporidiis fusoideo-cylindraceis, 10–12 × 1$^1/_2$–2, 2-nucleatis, curvulis. — In foliis Caricis glaucæ *a Susegana,* Aug. 1877 (Spegazzini).

f. *olivascens:* ascomatibus depressis, undulatis, fuscescentibus, disco atro-olivaceo; ascis cylindraceo-clavatis, 60 × 5; sporidiis cylindraceo-fusoideis, 8–10 × 2–2$^1/_2$, subinæquilateralibus — In ligno putri quercino in Sylva Montello, Aug. 1874.

g. *macrosperma*: ascomatibus griseo-fuscis, majusculis; ascis clavatis, 60 × 10–12, paraphysibus quandoque furcatis obvallatis; sporidiis cylindraceis curvatis, 12–14 × 2–3, 2-nucleatis, hyalinis.

Hab. in ligno putri *a Padova,* Dec. 1872, socio *Nematogonio aurantiaco.*

194. **Niptera stictella** S. & S. Ascomatibus gregariis, initio peridermio velatis dein erumpentibus, denique prorsus superficialibus, scutellatis, undulatis, sessilibus, ceraceis, siccis contortis, disco concaviusculo sordide lutescente; excipuli contextu parenchymatico ad marginem prosenchymatico fuligineo; ascis cylindra-

ceo-clavatis, brevissime noduloso-stipitatis, 55–65 ≈ 6–7, paraphysibus bacillaribus obvallatis, octosporis; sporidiis oblique monostichis v. distichis, oblongo-cylindraceis, clavulatisve, 8–14 ≈ 2–3, granulosis, hyalinis.

Hab. in ramulis Alni incanæ emortuis, *a Pieve di Soligo*, æstate 1877.

Obs. Affinis *Nipteræ cinereæ* a qua imprimis ascomatibus initio tectis statim dignoscitur, et Sticteis accedit.

195. **Helotium arundinellum** S. & S. Ascomatibus gregariis minutissimis, sessilibus, concaviusculis, $^1/_6$ mill. d., pallidis, extus tomentello-furfuraceis, disco sordide luteolo; ascis cylindraceo-clavatis, 40 ≈ 5–6, breve crassiuscule stipitatis, apice obtusiusculis, paraphysibus bacillaribus, guttulatis, octosporis; sporidiis distichis v. oblique monostichis, cylindraceo-oblongis utrinque rotundatis, curvulis, 8–10 ≈ $1^1/_2$–2, 2-guttulatis, hyalinis.

Hab. in vaginis Arundinis Donacis putrescentibus *a Conegliano*, Aug. 1878.

Obs. Hel. micaceo (Pers.), *H. microspi* Karst., *H. parvulo* (DNtrs.) &c. affine sed notis nonnullis satis diversum.

196. **Helotium papillare** (Bull.) Karst. Mycol. Fenn. pag. 160 *Peziza papillaris* Bull. Champ. t. 467 fig. 1.

Hab. in ligno decorticato putri Piri Mali *a Padova*, Dec. 1877.

Obs. Ascomata patellaria, sessilia, concaviuscula, albohyalina, dein straminea, velutina, margine obtuso subgranulato, pilis marginalibus filiformibus, 50 ≈ $2^1/_2$, sursum asperalis, dilute ochraceis. Asci cylindraceo-clavati, 60 ≈ 8, apice obtusiusculi, breve stipitati paraphysati, octospori; sporidia disticha oblongo-clavulata, 10–12 ≈ $2^1/_2$–3, deorsum acutata, 2-guttulata, hyalina.

197. **Helotium punctatum** (Grev.) Fr., Michelia I. 68. *robustellum.

Hab. in foliis dejectis et arescendo (ob mycelium?)

aurantiaco coloratis quercinis in sylva Montello, Oct. 1878.

Obs. A typo l. c. descripto ascomatibus majoribus, eximie margine sinuosis, ascis sporidiisque duplo majoribus (nempe primis 60 × 7–8, postremis clavulato–bacillaribus 12–15 × $1^1/_4$–1–$^3/_4$) recedit. Excipuli contextus anguste parenchymaticus, fuscescens ad marginem extusque prosenchymatico–spinulosus, dilutior.

198. **Helotium trabinellum** Karst. Fenn. I. 126.

Hab. in ligno putri decorticato *a Conegliano,* Majo 1877 (Spegazzini).

Obs. Ascomata breve obconica, disco sub plano, ex incarnato succineo, marginato, extus conspicue pallidiora, $^1/_2$–$^3/_4$ mill. diam., excipulo prosenchymatico pallido; asci clavati, 80–90 × 7–8, apice rotundati; stipitati, p. s. 60 lga. paraphysibus clavulatis obvallati, octospori; sporidia disticha oblonga v. breve fusoidea, subrecta, 8–10 × 2–3, 2–nucleata, spurieque 1–septata, hyalina.

199. **Helotium Cacaliæ** (Fr.) ***H. fumigatum** S. & S. Ascomatibus gregariis, concavis, stipitatis, $^1/_2$–$^3/_4$ mill. altis et latis totis fuscescentibus margine in sicco connivente pallidiore, extus levibus v. obsolete striatulo; excipuli contextu prosenchymatico, fuscidulo; ascis cylindraceo–clavatis, 60 × 5–6, apice rotundatis, deorsum acutato–stipitatis, paraphysatis, octosporis; sporidiis distichis, cylindraceis, utrinque obtusiusculis, 8–9 × $1^1/_4$–$1^1/_2$, rectis v. curvulis, 2–guttulatis, granulosisve hyalinis.

Hab. in ramulis emortuis Catalpæ syringifoliæ *a Conegliano,* Majo 1877.

Obs. Helotio Cacaliæ sec. descript. affine videtur. *Peziza fumosa* Fr. Summa pag. 353 e loco forte huic quoque affinis; sed ubi descripta?

200. **Helotium Scutula** (Pers.) Karst. ***epicalamium** Karst. Fenn. I. 111.

Hab. in culmis vaginisque graminum majorum *a Conegliano* (Spegazzini) et *a Sermide prov. di Mantova* (Magnaguti-Rondinini).

Obs, Ascomata tenella, stipite mediocri subtili fulta, pallide lutescentia. Asci cylindraceo-clavati 70–90 × 10, paraphysati, octospori. Sporidia cylindraceo-fusoidea, curvula, 15-18 × 3–3½, 2–4-guttata, hyalina.

201. **Ciboria firma** (Pers.) Fckl. Symb. p. 312. *Peziza firma* Pers. *Rutstræmia firma* (Pers.) Karst. Fenn. I. 108 ***C. macrospora**: ascis majoribus, nempe 150 × 15–16, clavatis, apice obtusatis, paraphysibus filiformibus sursum incrassatis obvallatis, octosporis; sporidiis majoribus, nempe 25–28 × 7, oblongo-fusoideis, sæpe curvulis, 2–guttatis, hyalinis.

Hab. foliis galbulisque putrescentibus Juniperi communis *a Conegliano*, Aut. 1877 (Spegazzini).

202. **Lachnella macrochæta** Speg. in Thüm Pilz. d. Weinst. p. 78.

Hab. in sarmentis emortuis Vitis viniferæ *a Conegliano*, Majo 1877.

Obs. Asci cylindracei, 50–55 × 4½5¼, apice rotundati, paraphysati, octospori; sporidia fusoidea utrinque acutiuscula, 7-10 × 1½-2½, 2-guttulata, hyalina. Ascomata spadiceo-fusca, setulis filiformibus, flexuosis, 100-200 × 3-4, septatis olivaceo-fuligineis vestita.

203. **Hyalopeziza ciliaris** (Schrad.) Fckl., Sacc. Mich. I. 67. ***H. pulchella**: ascomatibus ut in typo sed disco amœne flavo; setulis asperulis, articulatis, 70-80 × 5-7; ascis cylindraceo-clavatis 60–70 × 7-8, paraphysatis, 8sporis; sporidiis distichis, fusoideis, utrinque acutiusculis 24-27 × 2-3, 2-guttulatis, hyalinis.

Hab. in foliis dejectis quercinis *a Conegliano*, vere 1878 (Spegazzini).

204. **Calloria coccinella** (Somm.) Fr., Sacc. F. V. ser. IV. p. 30.

Hab. in ligno carioso stromate quodam nigrificato *a Selva*, aut. 1878.

Obs. Ascomata patellulata, tremelloidea, ¼ mill., vix marginata, sanguinea, contextu laxe cellulari, carneo, Asci cylindrici, 35-40 × 5, breve stipitati, paraphysibus, filiformibus simplicibus, furcatisve apice capitatis

obvallati, octospori. Sporidia ovato-oblonga, 4-5 × $2^1/_2$, 2-guttulata, hyalina.

205. **Calloria coccinella** (Somm.) Fr. *C. delicatula* Karst. Myc. Fenn. p. 98.

Hab. in ligno putri carioso in sylva *Cansiglio*, Aug. 1878.

Obs. Ascomata typo similia sed paullo majora. Asci et paraphyses quoque similes. Sporidia brevius ovata, 4–5 × 3, crassiuscule 2–guttulata, hyalina.

206. **Calloria rubicunda** S. & S. Ascomatibus gregariis, subsuperficialibus, patellato-disciformibus, $^1/_3$-$^1/_2$ mill. diam. ceraceo-mollibus, disco convexiusculo, minute marginatis, ambitu circulari v. subundulato, amœne et vivide rubicundis, udis nonnihil expallentibus; contextu excipuli tenui laxeque parenchymatico roseo; ascis cylindraceo-clavatis, breve crasseque stipitatis, 38 × 7, apice rotundatis, paraphysibus bacillaribus obvallatis, octosporis; sporidiis distichis v. inordinatis oblongo-cylindraceis, 7–10 × $1^1/_2$-2, subclavulatis, interdum minute 2–guttulatis, hyalinis.

Hab. in pagina inferiore foliorum putrescentium Hellebori viridis *a Conegliano*, Aprili 1877.

Obs. Habitatione peculiari et colore vivido species prædistincta.

207. **Calloria inflatula** (Karst.) Sacc. *Orbilia inflatula* Karst. Mycol. Fenn. I. 100.

Hab. in ligno putri *a Selva*, Oct. 1877.

Obs. I. Ascomata patellato-applanata, subtremelloidea, 1 mill. diam., sordide lutescentia, sicca tenui-cartilaginea. Asci cylindracei, subsessiles, 18–20 × 2–3, apice obtusi, paraphysibus nullis visis, octospori. Sporidia cylindracea, curvula, 5–8 × $^1/_2$–$^3/_4$, hyalina.

Obs. II. *Calloriam chrysocomam* (Bull.) Fr. quam immaturam citavi in F. V. Ser. IV. 31., iterum legit *a Conegliano* cl. Spegazzini aut. 1877 in ramis corticatis Mori albæ. In hac ascomata gregaria, superficialia, applanata, subtremelloidea, vix $^1/_2$ mill. diam., aurea; asci cylindracei; subsessiles 40–45 × 5, apice obtusiusculi, paraphysibus brevibus bacillari-

bus, sursum clavulatis obvallati, octospori; sporidia bacillaria, curvula, 14–15 × $^3/_4$–1, hyalina. Ab hac specie parum differt *Orbilia luteo-rubella* (Nyl.) Karst. Fenn. I. 101, seu *Peziza luteo-rubella* Nyl. Obs. p. 55.

208. **Calloria succinella** Sacc. Mich. I. 62. — *C. racheophila* S. & S. Ascomatibus gregariis sessilibus patellari-applanatis vix marginatis, vix $^1/_2$ mill. diam., udis subtremellosis, roseo-miniatis, glabris; contextu excipuli laxe et tenui parenchymatico roseo; ascis cylindraceo-clavatis, 45–50 × 5–5 $^1/_2$, apice rotundatis, breve stipitatis, paraphysibus filiformi-clavulatis obvallatis, octosporis; sporidiis cylindraceis, curvulis rectisve, utrinque obtusiusculis, 10–12 × 1 $^3/_4$–2, hyalinis.

Hab. in rachide spicæ putrescentis Zeæ Maydis *a Conegliano*, vere 1878.

Obs. A typo ascomatibus majoribus rubellis, sporidiis longioribus differt; ab *Orbilia luteo-rubella* (Nyl.) Kast., differt ascomatibus carneo-miniatis, paraphysibus non capitatis, habitatione aliena &c.

209. **Peziza** (Humaria) **theleboloides** A. & S. Lusat. 322 t. 12 f. 4., Cke Mycogr. fig. 151 (ascomata nimis expansa).

Hab. in fimo humano *a Conegliano*, vere 1878 (Spegazzini).

Obs. Ascomatis setulæ 100–200 × 20 (in basi), sursum attenuatæ, parce septatæ chlorinæ. Asci cylindracei, 100–110 × 10, longiuscule stipitati, paraphysibus filiformibus septulatis, apice leniter incrassatis, 150–180 × 5, obvallati, 8spori; sporidia monosticha, ovoidea, 14–16 × 6–7, hyalina.

210. **Peziza** (Humaria) **Crouani** Cke Mycogr. t. 5 fig. 17. *Crouania miniata* Fckl., *Lamprospora miniata* DNtrs., *Peziza Polytrichi* Karst.

Hab. inter muscos in colle Euganeorum *Venda*, vere 1878.

Obs. Ascomata duriuscula, patellaria, miniata: cellulæ excipuli marginales cylindraceo-clavatæ, subochraceæ. Asci cylindrici longissimi 16–17 micr. cr. apice rotundati, paraphysibus bacillari-clavulatis, gra-

nulosis obvallati, octospori; sporidia sphærica, 15–16 micr. diam., 1-nucleata, tandem areolato-asperula, hyalina.

211. **Peziza** (Humaria) **umbrarum** (Fckl.) Cke Mycogr. fig. 138.

Hab. in terra sabulosa uda *a Conegliano*, æstate 1878 (Spegazzini).

Obs. Ascomata scutellata, 2-3 rarius usque 5 mill. diam., rubentia, setulis cuspidatis 150–200 × 25, 2–3–septatis fuligineis ciliata. Asci cylindrici 250–280 × 25, p. s. 180 lga, paraphysibus filiformi-clavulatis, flavido-guttulatis obvallati, octospori. Sporidia monosticha ellipsoidea 18–22 × 12–15, exquisite tuberculata, hyalina.

212. **Peziza** (Aleuria) **carbonaria** A. & S., Cke Mycogr. fig. 284. Rabh. Mycol. Europ. Pez. p. 7. t. 4. fig. 4. Karst. Myc. Fenn. I. p. 4.

Hab. in areolis carbonariis in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Obs. Ascomata breve stipitata, intus subcarnea extus pallide flavicans v. subochracea. Asci cylindracei, p. s. 100–120 × 12, paraphysibus sursum clavulatis flavidis obvallati, 8spori. Sporidia oblique monosticha, ovoidea, 15–18 × 8–10, 1-guttata, hyalina.

213. **Peziza** (Otidea) **onotica** Pers. Syn. p. 637. Cke Mycogr. t. 210. *Otidea onotica* (Pers.) Fckl. Symb. 329.

Hab. ad terram humosam inter acus pineos in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Obs. Asci cylindracei p. s. 80–90 × 8, stipite 40 lgo, paraphysibus filiformi-clavulatis obvallati, octospori. Sporidia oblongo-ellipsoidea, utrinque rotundata, 10–12 × 5–6, 2-guttulata, hyalina.

214. **Peziza** (Otidea) **Auricula** (Schäff.) Cke Mycogr. t. 213. *P. leporina* Karst Mycol. Fenn. I. 41 p. p. *P. Auricula* Schäff. Ic. t. 156 p. p.

Hab. ad rupes udas in radicibus Bartramiæ in sylva *Cansiglio*, Aug. 1878 (Spegazzini).

Obs. Asci cylindrici 280–300 × 14, p. s. 150 lga,

paraphysibus filiformi-clavulatis fuscescentibus obvallati, octospori. Sporidia ellipsoidea, 20–24 × 12–14, utrinque obtuse rotundata, crasse 1-guttata, e fusciduło hyalina.

215. Peziza (Leucoloma) humosa Fr., Cke Mycogr. tab. 25 (non *Crouania humosa* Fckl. Rhem et Sacc. quæ *Peziza Constellatio* Cke Mycogr. tab. 81–82.

Hab. in terra sabulosa uda et detritis *a Coneglia-no*, Aug. 1878 (Spegazzini).

Obs. Asci cylindracei 200 × 18, stipitati, paraphysibus apice clavatis rubro-granulosis obvallati, octospori. Sporidia ellipsoidea, 20–22 × 12–14, nubilosa, hyalina, levia.

216. Pyronema Franzonianum DNtrs., Sacc. F. V. ser. IV. 38 *P. rhopalascum: ascomatibus gregariis, patellari-convexulis vix marginatis, miniatis glabriusculis; ascis cylindraceo-clavatis, apice rotundatis, 100–110 × 20–22, paraphysibus bacillari-clavatis, distincte constricto-septatis obvallatis, octosporis; sporidiis distichis elongato-ellipsoideis, 18–20 × 10, hyalinis.

Hab. in charta solida (*cartone*) zeina putri *a Conegliano,* vere 1877 (Spegazzini).

Obs. Ascis clavatis crassioribus, nec non paraphysibus articulatis, denique in articulos secedentibus a typo differre videtur.

217. Ascophanus Holmskjoldii Hans. F. fim. dan. pag. 12 t. VI fig. 9–13.

Hab. in fimo vaccino *a Costa* (*Vittorio*), vere 1878 (Spegazzini).

Obs. Ascomata cinereo-rubentia, furfurella. Asci elongato-fusoidei, p. s. 180–200 × 30–35, stipite 100 lgo, paraphysibus filiformibus jodo cœrulascentibus obvallati, octospori, sporidia disticha oblongo-ellipsoidea 30 × 13–14, minute asperula, utrinque appendiculâ rotundatâ aucta stratoque mucoso obvoluta, flavido-guttulata, hyalina. Sec. Hans. l. c. ex appendiculis setulae fasciculatae oriuntur, sed has distincte non vidi.

Gymnoascaceæ (*Wünsche*).

218. **Exoascus Tosquinetii** (West.) Sacc. *Ascomyces Tosquinetii* West., Kx. Tl. II. 315. *Taphrina alnitorqua* Tul. *Exoascus Alni* dBy.

Hab. in foliorum vivorum pagina sup. Alni glutinosæ *a Conegliano* Junio, 1877 (Spegazzini).

Obs. I. Asci cylindraceo-clavati, basi truncati, apice rotundati, 35–40 × 12; sporidia octona sphærica subdisticha, 1-nucleata, 4 micr. diam., hyalina; adsunt quandoque simul cum dictis sporidiis octonis corpuscula spermatioidea oblonga 5–6 × $1^1/_2$–2, hyalina.

Obs. II. Oct. 1877 legi *a Vittorio* denuo et perfectum *Ascomycetem aureum* in foliis Populi nigræ; ascis cylindraceis, 100 × 22, crasse stipitatis apice truncatis, polysporis; sporidiis ovoideis 4–6 × $2^3/_4$ –$3^1/_2$, hyalinis.

Myxomycetæ *de Bary.*

219. **Lycogala flavo-fusca** Ehr., Cke & Rost. British Myx. p. 76.

Hab. in fragmentis ligneis inter muscos in alpibus Cadubriæ *a Zoldo*, aut. 1877 (Spegazzini).

Obs. Sporidia globulosa, 5–6 micr. diam., minutissime asperula, dilute argillacea.

220. **Physarum compressum** A. S. Lus. p. 97.

Hab. in culmis putridis Sorghi *a Padova*, Junio 1877.

Obs. Peridia longitudinaliter compressa, ambitu rotundata, sed ob basim excavatam reniformia, minute cinereo-furfuracea, vix 1 mill. lata, stipite $^3/_4$–1 mill. lg. cylindraceo, striatulo, fusco, diu persistente instructa. Columella subnulla. Capillitium ex floccis hyalinis hinc inde massulis calcareis lutescentibus oblongis incrustati: sporidia globulosa v. obtuse angulosa, 11–13 diam., granulosa, guttulata, atroviolacea. Ad speciem citatam — a cl. Rostafinski non descriptam — pertinere videtur, sed hoc affirmari nequit.

221. Enteridium olivaceum Ehrb., Cke & Rost. Brit. Myx. p. 56 *Reticularia versicolor* Fr., *R. olivacea* Fr., *R. applanata* B. & Br.

Hab. in ramulis Rhamni catharticæ putridis *a Selva* et *Belluno*, Sept. 1878.

Obs. Peridia valde applanata, initio rubentia dein fusco-olivacea, membrana persistente nitidula tecta, hypothallo subargenteo radiante cincta; sporæ in massulas aggregatæ, globoso-angulosæ, 10–12 micr. d. minutissime asperulæ, olivaceo-fuscellæ.

Melanconieæ Cda.

222. Myxosporium incarnatum (Dmz.) Bon. Hndb. p. 56. *Nemaspora incarnata* Dmz. Næm. t. VI fig. 2 (1830).

Hab. in ramis corticatis Gleditschiæ Triacanthi *a Padova*, Apr. 1876.

Obs. Acervuli epidermide velati, varie extensi, applanati v. vix tumiduli, incarnati. Conidia obovoidea v. obpyriformia 15–20 = 8–10 granulosa, dilute carnea, basidiis filiformibus 20–24 = 2 suffulta.

223. Myxosporium croceum (Pers.) Link., Cda Ic. fung. I. p. 1 fig. 6. *Nemaspora crocea* Pers. Dmz. Næm. t. VI fig. 3.

Hab. in ramulis dejectis (Fagi?) *a Conegliano*, aut. 1877 (Spegazzini).

Obs. Acervuli epidermide initio velati, dein superficiales, depresso-pulvinati, aurantiaci. Conidia copiosissima, pleraque globosa v. subglobosa 11–15 micr. diam., rarius ovoidea v. oblonga maxima, nempe 35–50 = 35, omnia crassiuscule tunicata levia, minute granulosa, e roseo hyalina. Basidia non vidi. Cl. Fries S. M. III. 479 fingit hanc esse formam alteram *Libertellæ faginea* Dmz. conidiis falciformibus ornatæ, quod revera naturæ contrarium videtur.

APPENDIX

sistens species sub impressione fasciculi observatas.

Hymenomyceteæ *Fr.*

224. Agaricus (Pleurotus) Eryngii DC., Vitt. It. t. 10 f. 2.

Hab. in pratis ad radices Eryngii *a Povegliano, Camalò* &c. in agro Tarvisino, Oct. 1878. Vulgo: Cavarese de prà. Edulis.

Obs. Basidia cylindraceo-clavata 50 × 8, apice tetraspora. Sporæ ovato-oblongæ, 7–9 × $3^1/_2$, deorsum acutiores, granulosæ, hyalinæ.

225. Agaricus (Pleurotus) salignus Pers., Fr. Hym. Europ. p. 174, Tratt. Austr. t. 4. fig. 8.

Hab. in trunco dejecto quercino in sylva *Montello*, Oct. 1878.

Obs. Sporæ ovato-oblongæ, sæpe curvulæ, 10–11 × 4–$4^1/_2$, quandoque 1–guttatæ, hyalinæ.

226. Agaricus (Tricholoma) polyphyllus DC. Fl. Fr. VI 50, Fr. Hym. Europ. p. 56.

Hab. in uliginosis *a Selva*, Oct. 1878.

Obs. Pileo umbrino-rufo, initio margine copiose albo-cortinato, lamellis sordidis, sporis sub-globosis 6–7 × 5, 1–guttatis, hyalinis tute distinguenda species.

227. Agaricus (Mycena) rosellus Pers., Fr. Hymen. p. 132. Gonn. & Rabh. Mycol. Europ. t. 7. fig. 11.

Hab. in herbosis et muscosis *a Selva*, Oct. 1878.

Obs. Lamellis roseis acie anguste atro-marginatis hæc species imprimis dignoscitur.

228. Agaricus (Mycena) lacteus Pers. — Bull. Champ, t. 563 f. N., Fl. dan. t. 1845 f. 1.

Hab. in uliginosis prope Hortum botanicum Patavinum, Oct. 1878.

Obs. Totus candidus; pileus usque $2^1/_2$ cent. latus; stipes 3 cent. longus. Sporidia ovato-oblonga, deorsum acutata, 9 × 4, sæpe inæquilateralia, 1–guttata, hya-

lina. Specimina nostra ab iconibus citatis stipite paulo breviore recedunt.

229. **Polyporus cæsius** Fr. Hym. europ. p. 547.

Hab. in trabibus putridis *a Belluno,* Oct. 1878 (Spegazzini).

Obs. Pileo hymenioque albis, per ætatem v. tactu hinc inde cæsio-virentibus facile distinguenda species.

230. **Trametes rubescens** (A. S.) Fr. Hymen. p. 584. Myc. Univ. n. 710. *Dædalea rubescens* A. S. Lus. t. 11. f. 2.

Hab. in truncis Salicum in alveo Plavis prope *Belluno,* Oct. 1878 (Spegazzini).

231. **Clavaria** (Syncoryne) **purpurea** Fr. Hymen. europ. p. 674. Fl. dan. t. 837 f. 2., Sacc. Mycoth. Ven. cent. XIV.

Hab. in uliginosis prope Hortum botanicum Patavinum, Oct. 1878 (Bizzozero).

Obs. Sporidia subglobosa, basi apiculata, 1–nucleata, 7 diam., hyalina. Colore vivide cinnabarino prædistincta species.

232. **Clavaria** (Ramaria leucosp.) **tenuissima** Sacc. Minima (vix 1. cent. alta) tota amœne violacea, carnosula; trunculis filiformibus brevibus, repetito dichotome ramosis, ramulis patule ascendentibus, filiformibus apice acutiusculis; basidiis copiosissimis cylindraceo-clavatis, 15 × 4–6; sporis diu basidiis inclusis dein insterigmatibus brevissimis acrogenis, perfecte globosis, minute 1–guttulatis, 2 micr. d., hyalinis.

Hab. in uliginosis prope Hortum botanicum Patavinum, Oct. 1878 (Bizzozero).

Obs. Cum *Clav. lilacina* Fr. (Schäff. t. 172) unice comparanda; ab illa tamen magnitudine quinquies et ultra minore, ramis exacte dichotomis et multo tenuioribus statim distinguitur.

233. **Cyphella muscicola** Fr. Hymen. europ. p. 663. Fl. dan. t. 2083. f. 2.

Hab. ad folia Mnii ligulati *a Belluno e Selva* Oct. 1878.

Obs. Sporæ ellipsoideæ, 5–6 ≈ 2–3, 2– v. pluriguttulatæ, hyalinæ.

234. **Cyphella Capula** (Holmsk) Fr. Hymen. europ. p. 664.

Hab. in caule Centranthi rubri *a Belluno,* Oct. 1878 (Spegazzini).

Obs. Sporæ ovato-obpyriformes, 8 ≈ 4, pluriguttulatæ, hyalinæ, basidiis clavulatis 25 ≈ 6 apice 3–4 -spiculosis fultæ. Cupulæ stipitatæ, cernuæ, glabræ, sordide albæ.

235. **Typhula candida** Fr. Hymen. europ. p. 685.–f. **Equiseti.**

Hab. in caulibus emortuis Equiseti Telmateiæ *a Feltre,* Oct. 1878 (Spegazzini).

236. **Typhula filiformis** (Bull.) Fr. Hym. p. 685–Bull. Champ. t. 448. f. 1.

Hab. in foliis putridis populeis, ubi longior, et in foliis Broussonetiæ ubi brevior et pallidior, *a Padova,* Oct. 1878.

237. **Caldesiella italica** Sacc. Mich. I. p. 6. et F. ital. t. 125. Mycoth. Ven. Cent. XIV.

Obs. Iterum reperta ad terram, ad truncos et ad lateritia in uliginosis Horti Patavini, Oct. 1878. Ex novis observationibus in vivo peractis mihi persuasum habeo genus hoc ad Hymenomycetes hydneos certe spectare. Ab genere *Hydno* sporis ubique copiosis, etiam in subiculo juniore, exquisite muricatis hyphis variis fultis, &c. differt. Ad *Hydnum* se habet fere ut *Coniophora* ad *Corticium.*

Hymenogastreæ Vitt.

238. **Melanogaster variegatus** (Vitt.) Tul., Corda Ic. VI. f. 91. *Octaviana variegata* Vitt. Tub. t. III. fig. 4.

Hab. ad radices Carpini Betuli in monte *Serva* prope *Belluno,* Oct. 1878 (Spegazzini).

Obs. Cortex primo citrinus dein rufescens, levis;

loculorum parietes albæ v. aureæ; sporæ ex oblongo ovoideæ, 5–6 = $2^1/_2$–3, 1–2–guttatæ, fuligineæ.

Hypodermeæ de Bary.

239. **Urocystis Violæ** (Sow.) Fisch. Waldh. Monogr. Ustil. p. 72. *Granularia Violæ* Sow., *Sorosporium schizocaulon* Ces., *Polycystis Violæ* Berk.

Hab. in foliis Violæ odoratæ in montanis prope *Feltre*, Oct. 1878 (Spegazzini).

Obs. Massæ sporarum globosæ, 30–35 micr. diam. e sporis copiosis minutis conflatæ, fuligineæ.

240. **Phragmidium fusiforme** Schröt. Brand. u. Rostpilze Schles. p. 24.

Hab. in pag. inf. foliorum Rosæ alpinæ in Monte *Grappa* prope *Bassano*, Julio 1878 (Bizzozero), socio *Cæomate*.

Obs. Teleutosporæ prælongæ, fusoideæ, 90–110 = 20–25, 12–septatæ, fuligineæ, hyalino–asperulæ, apice mucrone hyalino 10 micr. longo auctæ, basi stipite obclavato 120 micr. longo, subhyalino suffultæ.

241. **Uredo Fici** Cast., Hoffm. Ind. p. 146.

Hab. in pagina inferiore foliorum Fici Caricæ *a Belluno*, Oct. 1878 (Spegazzini) – Ex *Licata* (Sicilia) misit V. Beltrani.

Obs. Uredosporæ globoso–obovatæ, 22–35 = 20–22 minutissime verruculosæ e hyalino luteolæ, intus minute granulosæ.

Phycomyceteæ de Bary

242. **Mucor racemosus** Fres. Beitr. Mykol. pag. 12 t. I. fig. 24–31.

Hab. in caseo putri *a Padova*, Junio 1878, arte cultus.

Obs. Sporangia stipitata, racemose digesta, globosa 40–50 micr. diam., fuscidula; sporidia numerosa e globoso ovoidea, 4–5 = 3, hyalina.

Pyrenomyceteæ *Fr.*

243. Microsphæra Berberidis Lév. Ann. Sc. nat. 1851 p. 159.

Hab. in pag. inf. foliorum Berberidis vulgaris *a Tarvasan* prope *Belluno*, Oct. 1878 (Spegazzini).

Obs. Perithecia globulosa, 80–100 micr. d., appendicibus 8–12 apice ter dichotome ramosis 80-90 ≈ 6, hyalinis cincta. Asci ellipsoidei, 50 ≈ 30, 6–spori; sporidia ellipsoidea, 20–22 ≈ 13–14, granulosa, hyalina.

244. Anthostomella italica S. & S. F. it. t. 178. *A. affinis:* a typo differt peritheciis duplo majoribus, sporidiis paulo brevioribus; nempe perithecia $^3/_4$ mill. d.; asci 90–100 ≈ 8; sporidia 15–16 ≈ 6.

Hab. in caulibus putrescentibus Galii sylvatici *a Belluno,* Oct. 1878.

245. Gnomonia Epilobii (Fckl.) Awd. in Mycol. Eur. p. 26 t. 10. fig. 14. *Sphæria Epilobii* Fckl. Symb. mycol. p. 113. – *Sphæria fenestrans* Duby, Kx Flandr. I. 349 eamdem speciem verisimillime sistit et tunc prioritate gauderet.

Hab. in caulibus emortuis Epilobii angustifolii in monte *Grappa* prope *Bassano*, Julio 1878 (Bizzozero).

Obs. I. Perithecia grandiuscula, $^1/_3$–$^1/_2$ mill. d., dein umbilicato-collapsa, ostiolo obtuse papillato; contextu parenchymatico, firmo; asci cylindrici, 125–135 ≈ 14, lumine apice exquisite bifoveolato, paraphysibus guttulatis spuriis obvallati, octospori; sporidia ex ovato oblonga utrinque obtusiuscula constricto–1–septata, 20–22 ≈ 10–11, 2–v. sæpius pluriguttulata, hyalina.

Obs. II. *Sphærella Fuckelii* Pass., Erb. critt. it. II. n. 645, quam cl. auctor eamdem ac *Sphæriam Epilobii* Fckl. censet, diversa est, et meo sensu generi *Didymosphæriæ* (Didymellæ) tribuenda est et sic definienda:

246. **Didymosphæria** (Didymella) **Fuckeliana** (Pass.) Sacc. *Sphæria tritorulosa* Plowr. Sph. Brit. cent. II, nec B. & Br. Peritheciis subcutaneo-erumpentibus, lenticularibus, $^1/_5$–$^1/_4$ mill. d., distincte papillatis, contextu parenchymatico denso; ascis cylindraceis, breve stipitatis, apice, tunica integra, rotundatis, 70–90 × 8, parce paraphysatis, octosporis; sporidiis breve fusoideis, 12–14 × 4–5, 1-septatis, non constrictis, hyalinis.

Hab. in caulibus emortuis Epilobii Dodonæi *a Vigheffio* prope *Parma*, aut. 1871 (Passerini).

Obs. Sphæria tosta B. & Br., sec. descriptionem, huc spectare videtur, sed hujus nominis specimina Cookeana cum *Diaporthe Epilobii* Fckl. congruunt.

247. **Venturia Spegazziniana** Cooke in litt. Peritheciis laxe gregariis, superficialibus, globulosis, senio umbilicato-collapsis, $^1/_{10}$–$^1/_8$ mill. d., ostiolo impresso pertusis, undique setulis divergentibus, acutis, basi incrassatis, 40 × $3^1/_2$–4, 1-cellularibus, atris vestitis; contextu perithecii minute celluloso fuligineo; ascis cylindraceo-clavatis breve stipitatis, apice rotundatis, 35–40 × $5^1/_2$–6, aparaphysatis, octosporis; sporidiis distichis v. oblique monostichis, cylindraceo-fusoideis, 10–11 × 3, constricto-1-septatis, hyalinis.

Hab. in sarmentis corticatis emortuis Vitis viniferæ *a Conegliano*, æstate 1878 (Spegazzini).

248. **Massaria alpina** S. & S. Peritheciis laxe gregariis, cortice nidulantibus, globosis, $^1/_2$ mill. d., subcarbonaceis, nigris, ostiolo breve conoideo, parum emergente, quandoque irregulariter dehiscente; ascis cylindricis, 170 × 12, brevissime stipitatis, apice, lumine leniter coarctato, rotundatis, paraphysatis, octosporis; sporidiis monostichis, fusoideis, rectis curvulisve, utrinque acutiusculis, 35 × 9, constricto-3-septatis, 4-guttulatis, olivaceo-fuligineis, senio longitudinaliter striatulis, strato mucoso, hyalino crasso obvolutis.

Hab. in ramis corticatis emortuis Alni viridis in montanis Bellunensibus, Oct. 1878.

249. **Lasiosphæria sulphurella** Sacc. Peritheciis gre-

gariis, adnato-superficialibus e globoso-conoideis, $^1/_2$–$^2/_3$ mill. diam., bysso velutino sulphureo, circumcirca breve descendente, vestitis, ostiolo breve papillato nigro; contextu celluloso flavo-virente, ostioli densiore radiante fuligineo; ascis cylindraceis, breve stipitatis, apice, lumine crenulato, attenuato-truncatis, 180 × 15–18, paraphysibus guttulatis obvallatis, octosporis; sporidiis vermicularibus, curvatis, 60 × 4–5, utrinque rotundatis, caudaque filiformi 25–30 longa auctis, 4–5–nucleatis, hyalinis, rarius apice ovoideo–inflatis.

Hab. in trunco decorticato putri Robiniæ *a Padova,* Oct. 1878.

Obs. A *Las. mutabili* (Pers.) et *L. ovina* (Pers.), quibus affinis, byssi colore inconsueto et sporidiorum forma et magnitudine distinguitur.

250. **Diaporthe** (Sclerostroma) **Cratægi** Nke, Fckl. Symb. p. 204.

Hab. in ramis corticatis emortuis Cratægi Oxyacanthæ *a Belluno,* Oct. 1878 (Spegazzini).

Obs. Acervuli subvalsei satis compacti, ostiolis parum emergentibus, obtusiusculis. Asci fusoidei 90–100 × 9–12, aparaphysati, octospori; sporidia disticha, cylindracea, utrinque obtusiuscula, 17–18 × 5–6, 1–septata leniter constricta, 4–guttulata, hyalina.

251. **Dothidea Sambuci** (Pers.) Fr., Sacc. Fung. Ven. Ser. V. 182.

Obs. Formas inter se parum recedentes legit cl. Spegazzini in ramis Robiniæ Pseudocaciæ, Triacanthi, Loniceræ, Evonymi nec non formam stromatibus paulo minoribus magisque depressis in ramulis Genistæ tinctoriæ, omnes circa *Belluno,* aut. 1878. Asci et sporidia in omnibus perquam similia.

252. **Hyponectria flavo-nitens** S. & S. Peritheciis dense gregariis, epidermide pellucida velatis, globoso-lenticularibus, $^1/_{10}$–$^1/_8$ mill. d. breve papillatis, amœne flavis, contextu parenchymatico pallide flavo; ascis cylindraceo-fusoideis, breve stipitatis, 45–50 × 5–6$^1/_2$, apice, lumine sub–unifoveolato, coarctato-rotundatis, aparaphysatis, octosporis; sporidiis distichis ovato-ob-

longis utrinque obtusiusculis, 12–14 × $3^1/_2$–4, continuis, intus granulosis, hyalinis.

Hab. in sarmentis emortuis, quæ flavo-punctata fiunt, Rubi cæsii in *M. Serva a Belluno,* Oct, 1878.

253. **Chilonectria Cucurbitula** (Curr.) Sacc. Micehl. III. 280.

Hab. in ramis corticatis emortuis Frangulæ, Corni sanguineæ et Ostryæ carpinifoliæ in *M. Serva* prope *Belluno*, Oct. 1878.

Obs. Perithecia cæspitulosa. senio cupulato-collapsa, rufo-viridula. Asci clavati, 80–85 × 10, breve stipitati, apice rotundati, aparaphysati, myriospori; sporidia minima, ovoidea, $2^1/_2$–3 × 1–$1^1/_2$, hyalina.

Discomyceteæ *Fr.*

254. **Niptera Grappensis** Sacc. Ascomatibus ceraceo-tenacellis erumpenti-superficialibus, gregariis, sessilibus, scutellaribus, brunneis, disco margineque breve fibrilloso pallidioribus, $^3/_4$–$1^1/_4$ mill. d., contextu exciputi minute celluloso fuligineo, marginis subradiante dilutiore; ascis cylindraceis, breve stipitatis, apice, tunica integra, rotundatis, 70–80 × 12–13, paraphysibus bacillaribus obvallatis, octosporis; sporidiis distichis, oblongo-cylindraceis, inæquilateralibus, 15–17 × 5, utrinque rotundatis, 3-nucleatis, simulateque 1-septatis, hyalinis.

Hab. in caulibus emortuis Myrrhidis odoratæ in Monte *Grappa*, socia *Didymosphæria conoidea* Niessl, Julio 1878 (Bizzozero).

Obs. Ascomatibus majusculis tenacellis, sporidiis ascisque crassis ab affinibus speciebus dignoscitur.

255. **Helotium phyllophilum** (Dmz.) Karst. Symb. 239. *Peziza phyllophila* Dmz. IX Not. p. 8. *Pezicula phyllophila* Karst. Fenn. I. p. 167.

Hab. in foliis emortuis Fagi sylvaticæ *a Selva,* Oct. 1878.

Obs. Ascomata stipitata, $^1/_4$ mill. d., pallide straminea, glabra. Asci clavulati, breve stipitati, 60 × 12,

apice rotundati, octospori; sporidia anguste fusoidea, utrinque acutiuscula, leniter curva, 12–15 ≈ 2 ½–3, 2–4–guttulata, hyalina. Bene specimina nostra cum descriptione Dmz. l. c. conveniunt; vix satis cum diagnosi Karst. l. c. In genere *Pezicula* nullo modo militare potest.

256. **Humaria sublivida** S. & S. Ascomatibus scutellaribus, 5–8 mill. d., extus breve denseque ferrugineo-velutinis, disco applanato e cinereo albido; setulis e basi incrassata cuspidatis, septatis, 150–300 ≈ 10, ochraceis; ascis cylindraceis, mediocriter stipitatis, 200–250 ≈ 15, apice, tunica integra, rotundatis, paraphysibus bacillari-clavatis, septulatis hyalinis obvallatis, octosporis; sporidiis monostichis, ellipsoideis, 18–22 ≈ 12–14, levibus, 2–guttatis, hyalinis.

Hab. ad terram uliginosam *a Belluno*, Oct. 1878 (Spegazzini).

Obs. Pluribus speciebus affinis sed distincta. A *Pez. livida* Schum. sporidiis levibus, guttatis, a *P. erinacea* Schw. ascomatibus majoribus, setis longioribus et septatis, a *P. albo-spadicea* Grev. setis multo longioribus et saturatioribus, a *P. cretea* Cke ascomatibus multo majoribus, terricolis, sporidiis quoque majoribus 2–guttatis non ægre distinguenda est.

257. **Velutaria rufo-olivacea** (A. S.) Fckl. Symb. 300. *Pez. rufo-olivacea* A. S.

Hab. in sarmentis emortuis Rubi cæsii *a Belluno*, Oct. 1878 (Spegazzini).

Obs. Asci cylindraceo-clavati, 85–90 ≈ 12, incurvo-stipitati, apice tunica incrassatula, rotundati, paraphysati, octospori. Sporidia oblique monosticha, 12 ≈ 7, ellipsoidea, crasse 1-guttata, hyalina.

258. **Velutaria æruginosa** S. & S. Ascomatibus sparsis, aggregatisque, scutellaribus subsessilibus, ½–⅔ mill. d., extus breve ochraceo-puberulis, disco concaviusculo concolore dein fusco-olivaceo; ascis cylindraceis, mediocriter sensim stipitatis, basi ima nodulosis, apice tunica integra rotundatis, 125–130 ≈ 12, paraphysibus, bacillaribus, septulatis, apice clavulà fusoi-

deâ, 15-22 × 5–8, crasse chlorino-guttatâ terminatis obvallatis, octosporis; sporidiis monostichis, ellipsoideis, 12–14 × 7–8, 2-guttulatis nubilosisque, initio hyalinis tandem fumosis.

Hab. in sarmentis corticatis Vitis viniferæ *a Belluno*, Oct. 1878.

259. **Peziza** (Crouania) **violascens** Cke Mycogr. t. 21 fig. 83.

Hab. in terra uliginosa *a Selva*, Oct. 1878.

Obs. Ascomata 5–9 mill. d., scutellata, sessilia, duriuscula, atro-violacea (ergo nimis vivida in icone Cookeana l. c.) margine minute crenulata: excipuli contextus distincte cellulosus, amœne violascens. Asci cylindrici, longissimi, 170 × 15, p. s. 80–90 longa, apice rotundati, paraphysibus filiformibus apice incurvis, guttulatis obvallati, octospori; sporidia monosticha, perfecte sphærica, 10 micr. d. minute guttulata e dilute violaceo hyalina. Pulcherrima species!

260. **Helvella Ephippium** Lév., Cke Mycogr. fig. 169.

Hab. in uliginosis *a Belluno*, Oct. 1878 (Spegazzini).

Obs. Ascoma extus stipesque griseo-tomentella. Asci cylindraceo-clavati, sensim stipitati, apice rotundati, 240 × 12–14, paraphysati, octospori; sporidia ellipsoidea, 15 × 8–10, crasse 1-guttata, hyalina.

261. **Geoglossum glutinosum** Pers., Cke Mycogr. fig. 6.

Hab. in udis inter Marchantias *a Belluno*, Oct. 1878 (Spegazzini).

Obs. Forma minor vix 1 cent. longa, 1 mill. crassa. Asci clavato-fusoidei 120–150 × 15–18, apice attenuato-truncati, paraphysibus bacillaribus apice incurvo-clavatis minute septulatis obvallati, octospori; sporidia disticha, fusoidea, curvula 50–65 × 5, typice 3-septata, rarius pluri-septata, vix constricta atro-fuliginea. Paraphysibus apice minus crassis et septulatis ab icone citata nonnihil recedit.

262. **Geoglossum umbratile** Sacc. Sparsum v. gregarium, elongato-clavatum, 3–6 cent. altum, 2–3 mill.

crassum, glabrum, leve exsiccando longitudinaliter striatum, nigrum; ascis cylindraceis brevissime stipitatis, 160 × 20, apice obtusatis, paraphysibus bacillaribus, 4. micr. cr., apice vehementer circinatis, dilute fuligineis obvallatis, octosporis; sporidiis 2–3–stichis, bacillari-fusoideis, v. clavulatis, 80 × 5, curvulis 7-septatis non constrictis fuligineis.

Hab. in uliginosis prope Hortum botanicum Patavinum, Oct. 1878 (Bizzozero).

Obs. Ex speciebus Geoglossi hucusque cognitis et a cl. Cooke in Mycographia optime illustratis, solo *Geog. Peckiano* Cke (fig. 5) accedit a quo sporidiis brevioribus constanter 7–septatis (nec 15–septatis) differt.

FUNGI VENETI NOVI VEL CRITICI

AUCTORE

P. A. SACCARDO

Series III. [1])

(Ex «Hedwigia» nr. 5, Majo 1873).

Sphæriaceæ Fr.

1. **Massaria epileuca** (Berk. et Curt.) Winter in litt. — Sphæria epileuca B. et C. — Massaria denigrans Sacc. Mycoth. Ven. I. Nr. 83.

   Hab. in ramis corticatis putrescentibus Mori albæ Patavii. Martio 1873.

   Obs. Cl. Winter identitatem speciei meæ et auctorum citatorum tute probavit, lætorque. — Perithecia gregaria cortice nidulantia, e globoso depressa, $^3/_4$ mill. diam., extus fuligineo villosula; ostiolo brevissimo, latiusculo, truncato; nucleo crasso nigro. Asci clavati 130 * 30, breve crasseque stipitati, paraphysibus filiformibus obvallati, octospori. Sporidia disticha, fusoidea, 65—70 micr. longa, 18—20 micr. crassa, recta v. curvula, 5-septata, ad septa leniter constricta, strato gelatinoso cincta, loculis 4 interioribus opace fuligineis, quandoque crasse guttatis, extimis multo minoribus subapiculatis, pallidioribus.

   Obs. Massariæ species Mycologiæ Venetæ addendæ sunt quoque: M. siparia (B. et Br.) Tul. (in Betula), M. marginata Fckl. (in Berberide, sed nullo essentiali charactere a forma typica Rosæ diversa).

2. **Lophiostoma anaxæum** Sacc. Peritheciis sparsis gregariisve ligno obscurato denudato v. cortice relaxato velato insidentibus, majusculis, diam. $^1/_2$ mill., atris, nitidis, subglobosis; ostiolo compresso, perithecio angustiore et breviore, sed sat variabile; nucleo albido; ascis cylindraceo-clavatis breve crasseque stipitatis, 100 * 18, octosporis, paraphysibus copiosis, filiformibus, obvallatis; sporidiis distichis fusoideis, 25—30 * 7—8, conspicue incurvatis, 1-septatis, ad septum profunde constrictis, 4-guttatis, hyalinis, utrinque rotundatis setulaque tenuissima primitus auctis.

   Hab. in caule ramisque Artemisiæ camphoratæ in alveo fluminis *Piave* (Anaxi) *a Narvesa* (Treviso) Aug. 1873.

1) Mycologi plures desiderium benevole ostenderunt *Seriei* meæ *primæ* et *tertiæ Fungorum Venetorum* exemplar sibi comparandi. Sed, exemplaribus jam distractis, *Seriem tertiam* rariorem et breviorem, ut mycologis obsequar, denuo hic imprimendam esse existimavi. Quoad *Seriem primam* studiosos monitos volo, omnes species, in eadem serie descriptas, contineri quoque in *Specimine* meo *Mycologiæ Venetæ*, præter non novas *Pucciniam Maydis* et *Uromycetem Lupini*. Nonnullæ species in hac serie III descriptæ, ad nova genera posterius duxi, sed hic ut in prima editione fideliter traduntur.

3. **Lophiostoma pygmæum** Sacc. Peritheciis sparsis, cortice nidulantibus, subglobosis v. depressis, diam. vix $^1/_4$ mill., atris, intus sordide albis; ostiolo compresso minimo, rotundato epidermidem rimose perforante; ascis cylindraceo-clavatis, 90-100 * 9-10, breve crasseque stipitatis, paraphysibus filiformibus copiosis obvallatis, 8-sporis; sporidiis distichis elongato-fusoideis, 22-28 * $4^1/_2$-5, curvulis, utrinque acutis, 6-8-guttulatis, tandem spurie pluriseptatis, ad septa leniter constrictis, hyalinis.

Hab. in ramulis corticatis Ampelopsidis hederaceæ *a Vittorio* (Treviso), Octobr. 1873.

Obs. Proximum *L. alpigeno* Fckl., sed omnibus partibus multo minus. A *L. Hederæ* Fckl. sporidiis denique pluriseptatis differt.

4. **Lophiostoma vagabundum** Sacc. Peritheciis sparsis tectis, v. demum semiliberis, minutis, diam. $^1/_5$ mill., globoso-depressis, atris, intus sordidis, ostiolo valde compresso, lineari, latiusculo, rarius subobsoleto; ascis cylindraceis, 100—120 * 9, breve crasseque stipitatis, paraphysibus filiformibus obvallatis, 8sporis; sporidiis inordinate distichis, fusoideis 20—25 * $4^1/_2$—5, curvulis utrinque acutis, crasseque 4-guttatis et subtorulosis, hyalinis.

Hab. in caulibus herbarum variarum in sylva *Montello* (Treviso) autumno. Sequentes formas observavi.

1. *Centaureæ nigrescentis:* asci 90 * 8; sp. 25 * 5.
2. *Mellitidis:* asci 100 * 9; sp. 24 * 5.
3. *Senecionis nemorensis:* asci 100 * 10; sp. 25 * 5.
4. *Epimedii:* a. 80 * 8—9; sp. 25 * 5.
5. *Salviæ glutinosæ:* asci 100 * 8—9; sp. 24 * $4^1/_2$—5.
6. *Melampyri nemorosi:* asci 90 * 8; sp. 24 * 5.
7. *Lythri Salicariæ:* asci 85 * 8; sp. 20—22 * 4—$4^1/_2$.

Obs. Rarius vidi sporidia senescentia, fuscidula, 3—septata.

5. **Lophiostoma insidiosum** (Desm.) Ces. et DNtrs. Niessl. in Hedwigia 1875 Nr. 2 p. 23. *L. caulium* Fckl., Sacc. Myc. Ven. p. 210. *L. appendiculatum* Niessl (non Fckl.). Sequentes formas in agro Tarvisino et Patavino observavi:

1. *Angelicæ sylvestris:* asci 70 * 14; sp. 20—24 * 5.
2. *Euphorbiæ amygdaloidis:* asci 70 * 12; sp. 25 * $6^1/_2$.
3. *Saponariæ officinalis:* asci 80 * 12—14; sp. 20 bis 22 * $5^1/_2$—6.
4. *Meliloti officinalis:* asci 70 * 10—12; sp. 20—22 * 5—6.
5. *Torilis Anthrisci:* asci 70—11; sp. 25 * $6^1/_2$—7.
6. *Hesperidis matronalis:* asci 80 * 10; sp. 22 * 5.
7. *Lappæ minoris:* asci 80 * 12; sp. 25 * 5—6.
8. *Salviæ pratensis:* 80—90 * 10; sp. 20 * 4—$4^1/_2$.
9. *Lychnidis dioicæ:* asci 85 * 10; sp. 22 * 4—5.
10. *Asteris Novi Belgii:* asci 70 * 12; sp. 22 * 6.
11. *Hemerocallidis fulvæ:* asci 80 * 12; sp. 24 * $6^1/_2$.
12. *Ligustri vulgaris* (ramul.): asci 80 * 11; sp. 20—22 * 5—6.
13. *Ailanthi glandulosæ* (petiol.) asci 65—70 * 10—12; sp. 20—22 * $4^1/_2$—5.

Obs. Sporidia fusoidea, curvula, 5-septata, ad septa nonnihil constricta, quandoque loculo intermedio subprotuberante, utrinque appendiculâ obliquâ, acutâ hyalinâ prædita, minute guttulata, flava, senio fuscidula.

6. **Lophiostoma Niessleanum** Sacc. Peritheciis gregariis, tectis,

plerumque immersis, globulosis, $^1/_4$ mill. diam., ostiolo erumpente compresso tenui; ascis cylindraceo-clavatis, 90—100 * 15, paraphysibus filiformibus obvallatis, 8sporis; sporidiis distichis cylindraceo-fusoideis, 28—30 * $6^1/_2$—$7^1/_2$, curvatis, 7-septatis, ad septum medium subconstrictis, 8-guttulatis, utrinque acute hyalino-appendiculatis, flavis dein olivaceis.

Hab. in caulibus putrescentibus Asteris Novi Belgii, socio præcedente, ubi mihi indigitavit C. Niessl, *a Selva (Treviso)*, Sept. 1873.

Obs. A vero *Loph. caulium* (Desm.) recedit præcipue sporidiis distincte appendiculatis.

7. **Lophiostoma dumeti** Sacc. Peritheciis sparsis, gregariisve, cortice nidulantibus, globosis, $^1/_3$ mill. diam. membranaceo-carbonaceis, atris; ostiolo valde compresso, emergente, apice arcuatim truncato, basi angustiore; ascis clavatis, 100 * 14, attenuato-stipitatis, basique nodulosis, paraphysibus filiformibus obvallatis, 8-sporis; sporidiis distichis, oblongo-fusoideis, 20—25 * $6^1/_2$—8, plerumque rectis, utrinque obtusiusculis, initio hyalinis, 4-guttulatis, dein 3-septatis, ad septa perparum constrictis, 4-guttulatis, fuligineis, loculis binis interioribus plerumque saturatius coloratis.

Hab. ad ramos corticatos Rubi fruticosi, *a Vittorio* (*Treviso*) Octob. 1873.

Obs. Loph. cæspitoso Fckl. subaffine.

8. **Lophiostoma hygrophilum** Sacc. Peritheciis laxe gregariis, immersis, globulosis, diam. vix $^1/_3$ mill., carbonaceis, atris, ostiolis emergentibus, compressis, truncatis, subintegris; ascis clavatis, attenuato-stipitatis, basique nodulosis, 120 * 15, parte sporif. 90—100 micr. longa, paraphysibus filiformibus obvallatis, 8-sporis; sporidiis distichis, oblongis, 20—25 * 10—12, utrinque obtusiusculis, curvulis, initio subdidymis, dein 7-septatis, loculis plerisque longitudinaliter dimidiatis, ad septum medium constrictis, fuligineis.

Hab. in culmis Arundinis Donacis putrescentibus Patavii, Martio 1875.

Obs. Valde affine, ex descriptione, *Loph. gregario* Fckl., a quo ostiolis mediocribus, neque minutissimis, sporidiisque ad septa (nisi medium.) non constrictis et matrice aliena satis differt.

9. **Lophiostoma auctum** Sacc. Myc. Ven. 110 t. XI f. 5—10 (16 Mart. 1873).

Obs. Hujus synonymon est *L. appendiculatum* Fckl. Sym. Myc. II. Nachtr. 29 fig. 8 (1873), an posterius meo?

10. **Lophiostoma alpigenum** Fckl. Sacc. Myc. Ven. 111 t. XI f. 11—14.

Forma *Galii sylvatici:* sporidiis 12—13-septatis, loculis pluriguttulatis, hyalinis, 45—50 * 7—8; ascis clavatis 120—130 * 18—20.

Hab. in caule putrescente *Galii sylv.* in s. *Montello* (Treviso) Sept. 1874.

Obs. Species Lophiostomatis nuper detectæ in agro Veneto sunt quoque: *L. subcorticale* Fckl. (in Pyro et in Vite), *L. diminuens* (Pers.) Fckl. [= L. Fuckelii Sacc. Cfr. Michelia 336] (in Robinia), *L. macrostomoides* DNtrs. (in Salice vitellina), *L. perversum* DNtrs. (in Orno, Moro et Populo), *L. quadrinucleatum* Karst. M. F. II. 85 (in Xylosteo et Orno) et

L. simillimum Karst.* l. c. 84 = L. bicuspidato β Cooke Hndb. 849 = Leptosphæriæ Achilleæ Sacc. Mycol. Ven. 104 t. X 19 a. b. (in Vitalba, Arunco, Achillea).

11. **Melanomma Campi Silii** Sacc. Peritheciis gregariis hemisphæricis, v. subconoideis, $^1/_5$ mill. diam., atris, glabris, ostiolo minutissimo vix papillato, demum collabescentibus, contextu carbonaceo atro indistincto; ascis cylindraceis, 90—110 * 6—7, apice rotundatis deorsum attenuato-stipitatis, basique subnodulosis, paraphysibus filiformibus tenuibus obvallatis, 8-sporis; sporidiis oblique monostichis v. pro parte distichis, fusoideo-torulosis, 14—15 * 4—$4^1/_2$, medio profunde constrictis, demumque 1-septatis, 4-guttulatis, hyalinis.

Hab. in ligno denudato duriore fagineo in sylva *Cansiglio* (Campus Silii) Treviso, Octobr. 1874.

Obs. A *M. Pulviscula* (Curr.) et *M. improviso* (Karst.) sporidiis brevioribus et conspicue constrictis præ ceteris differt.

12. **Melanomma dubium** Sacc. Peritheciis remote sparsis, superficialibus, subglobosis, vix $^1/_3$ mill. diam. in ostiolum cylindraceo-conoideum perithecium æquans attenuatis, minutissime rugulosis basi hyphis brevibus cinctis, ceterum glabris, carbonaceis, atris; ostiolo obtuso dein minute perforato; ascis cylindraceis, angustis; 150 * 8, paraphysibus nullis visis, 8-sporis; sporidiis oblique monostichis, oblongo-fusoideis, 20—25 * 7—8, plerumque curvulis, utrinque acutiusculis, majuscule 1—2-guttulatis, hyalinis.

Hab. in ligno denudato putrescente fagineo in sylva *Cansiglio* (Treviso) Octobr. 1874, parcissime.

Obs. Species ob perithecia remota, longiuscule ostiolata, et sporidia continua (an semper?) in hoc genere anceps et denuo inquirenda.

13. **Melanomma macrosporum** Sacc. Peritheciis laxe gregariis, superficialibus, perfecte globosis, $^1/_5$—$^1/_6$ mill. diam., carbonaceis, nitidulis, atris, vertice in ostiolum breve sed acute papillatum desinentibus, glabris, sed basi sæpe hyphis rigidulis fuligineis (Helminthosporii?) cinctis; contextu dense parenchymatico fuligineo-atro; ascis cylindraceo-clavatis, 110—115 * 7—9, basi sensim attenuato-stipitatis, paraphysibus copiosis filiformibus obvallatis, 8-sporis; sporidiis distichis, fusoideo-elongatis, utrinque obtusiusculis, curvulis rectisve, 35—40 * $2^1/_2$—$3^1/_2$, 6—9-guttulatis v. granulosis, hyalinis.

Hab. in ligno decorticato fagineo in sylva *Cansiglio* (Treviso) Octobr. 1874.

Obs. Nulli speciei mihi notæ affinis.

14. **Melanomma longicolle** Sacc. Peritheciis laxe gregariis ligno denudato adnatis v. semiimmersis, subglobosis, diam. $^1/_5$—$^1/_4$ mill.; atris, nitidulis, ostiolo cylindraceo, perithecium subæquante, apice plerumque parum incrassato, conoideo minute perforato; ascis cylindraceo-clavatis, 90 * 15, basi attenuato-substipitatis; paraphysibus filiformibus obvallatis; 8-sporis; sporidiis distichis oblongo-fusoideis 20 * 7—$7^1/_2$, rectis curvulisve, 3-septatis, ad septa vix constrictis, 4-guttulatis olivaceo-fuligineis.

Hab. in ramis decorticatis Citri Limonii putrescentibus *a Vittorio* (Treviso), Octobr. 1873.

15. **Melanomma fusciduluni** Sacc. Mycoth. Ven. II. Nr. 159 (sub Sphæria).

Peritheciis sparsis gregariisve ligno adnatis v. semiimmersis sphæroideo-sub-depressis, $^1/_4$ mill. diam., atris, levibus; ostiolo cylindraceo-conoideo, perithecium quandoque subæquante, subrostellato; ascis clavatis, 55 * 7—8, deorsum attenuato-stipitatis, paraphysibus filiformibus obvallatis, 8-sporis: sporidiis distichis fusoideis, 12—14 * $3^1/_2$—4, rectis curvulisve, initio subhyalinis, 4-guttulatis, dein 3-septatis, ad septa leviter constrictis, olivacco-fuligineis.

Hab. in trunco ramisque Sambuci nigræ *a Vittorio* (Treviso), Oct. 1873.

Obs. Ob sporidia *Sphæriam Coniothyrium* Fckl. simulat, ceterum valde diversa est.

16. **Melanomma hispidulum** Sacc. Peritheciis laxe gregariis in ligno sæpe albescente superficialibus, globulosis, punctiformibus, $^1/_7$—$^1/_8$ mill. diam., vertice leniter depressis, ostiolo exiguo impresso, setulis patentibus, crebriusculis perithecio quadruplo brevioribus undique vestitis: ascis crasse oblongis, 40—45 * 12—15, basi breve attenuato-stipitatis, apice rotundatis, paraphysibus filiformibus parcis brevibus obvallatis, 8-sporis: sporidiis inordinate 2—3stichis, oblongo-ovoideis, 12 * 5—6, utrinque obtusiusculis, rectis, 3—4-septatis, ad septa non v. vix constrictis, rarissime septulo longitudinali præsente, olivaceo-fuligineis, eguttulatis.

Hab. in ligno putrescente *a Selva* (Treviso) Octobr. 1874.

Obs. Mel. pilosello (Karst.) affine, at rite distinctum.

17. **Melanomma Pulviscula** (Curr.) Sacc. Myc. Ven. 114 t. XI f. 33—36 et Mycoth. Ven. I Nr. 87.

Legi quoque in ligno denudato Robiniæ, Alni glutinosæ, Acceris campestris, Quercus, formam uti l. c. descripsi. In cortice duriori Populi nigræ *a Vittorio* legi formam sporidiis plerumque crassioribus, nempe 20—25 * 5—6, 4—5-guttulatis, tandem obsolete 3—4-septatis. In ligno molli quercino in sylva *Montello* legi formam peritheciis dispersis, conico-papillatis, ascis 75—80 * 12—14, sporidiis 22 * 5—6, 4-guttulatis dein 3-septatis.

Obs. Verisimiliter tota species *M. Pulviscula* ad *M. ovoideum* (Fr.) Fckl. reducenda est, suadente quoque cl. Karsten.

18. **Melanomma Pulvis pyrius** (Pers.) Myc. Ven. 113 t. XI f. 37—38 et Mycoth. Ven I Nr. 86.

I. Status spermogonicus: *Phoma Pulvis pyrius:* peritheciis, ascophoris subsimilibus sed plerumque minoribus et subirregularibus, spermatia in sporophororum ramosorum apicibus minima, cylindracea, 3—4 * $^3/_4$, hyalina foventibus. — In ligno Pyri, Alni, Carpini et Quercus in agro Tarvisino et Patavino, socio statu ascophoro.

II. Status ascophorus. Formas sequentes in agris citatis observavi:

1. *Ulmi:* asci 90 * 13; sporidia 18—20 * 6, partim subdisticha, 3—4-septata, septo 1—2 longit. rariore.
2. *Broussonetiæ:* sporidia 16—18 * 6—$6^1/_2$, 3—4-septata, monosticha.
3. *Pyri communis:* sporidia 16 * $4^1/_2$—5, 3-septata, monosticha.
4. *Alni glutinosæ:* asci 100 * 8: sp. 18—20 * 5—6, 3-septata, septo 1—2 long. rariore, monosticha.

5. *Aceris campestris:* asci 90 * 7; sp. 15—18 * 6—6½, 3-septata, septo 1—2 long. rariore, monosticha.
6. *Coryli Avellanæ:* sporidia 16—18 * 5—5½, 3-septata, monosticha.
7. *Fagi sylvaticæ:* asci 85 * 6—7, spor. 18 * 5, 3-septata, monosticha.
8. *Corni sanguineæ:* sporidia 15—18 * 5, 3-septata, monosticha.
9. *Symphoricarpi racemosæ:* asci 80—100 * 7—8; spor. 20—22 * 6, 3—4-septata, septo 1—2 longit. rariore, monosticha.

19. **Melanomma Catillus** Sacc. Myc. Ven. 114 t. XI f. 39—42. Non amplius lecta, sed prædistincta.

20. **Teichospora Mesascium** (DNtrs.) Sacc. — Sphæria Mesascium DNtrs. sf. it. No. 62. Erb. cr. it. Ser. II. Nr. 442.

Hab. in truncis annosis Vitis viniferæ *a Vittorio* (Treviso) Nov. 1873.

Obs. Asci clavati, 150—180 * 25, paraphysati. Sporidia disticha ovato-fusoidea, 45—50 * 20—22, 7—8 septata, ad septa leniter constricta, fuliginea, initio cribroso-guttulata, dein muriformia.

21. **Trematosphæria pertusella** Sacc. Peritheciis sparsis gregariisve, minutis, globulosis, diam. circ. ⅛ mill., atris, basi ligno insculptis, rarius semiimmersis, carbonaceis, ostiolo conoideo, dein pertuso; ascis cylindraceo-oblongis, deorsum sensim attenuato-stipitatis, 75 * 10, paraphysibus tenuibus parce obvallatis, 8sporis; sporidiis distichis fusoideis 22—24 * 6, rectis, 3-septatis, ad septa constrictis, fuligineo-olivaceis, guttulatis.

Hab. in ligno denudato ramorum Fici Caricæ *a Selva* (Treviso) Octobr. 1873.

Obs. A Tremat. pertusa, (in agro Veneto quoque sæpius obvia) cui similis, differt peritheciis fere dimidio minoribus, ostiolo angustius pertuso, ascis sporidiisque rectis, paulo minoribus.

22. **Caryospora Putaminum** (Schw.) DNtrs. Microm. Dec. IX., ubi ex errore asci nulli habentur.

Hab. in putamine putrescente Persicæ vulgaris, Patavii, Majo 1874.

Obs. Asci juniores clavato-cylindracei usque 200 micr. longi, paraphysati, dein evanescentes. Sporidia initio fusoideo-elongata 60 * 18, bilocularia, loculis crasse 1-guttatis, locello minuto acuto v. obtuso utrinque aucta, fuliginea, strato gelatinoso persistente obvoluta, dein biconica, maxima, 80—85 * 30—35, bilocularia, ad septum leniter constricta, utrinque attenuata et sæpius inverso-curvata, prorsus opaca.

23. **Caryospora callicarpa** (Curr.) Nke.-Fckl S. M. 163.

Hab. in cortice duriore Populi nigræ, *a Vittorio,* (Treviso) Oct. 1873.

Obs. Asci clavati, ampli, 150 * 35, paraphysati, octospori. Sporidia disticha, v. oblique monosticha, biconico-fusoidea, 80 * 18-25, curvula initio constricto-1-septata, loculis dein spurie trilocularibus, 2—3-guttulatis, fuligineis; prorsus matura non vidi.

24. **Caryospora Olearum** (Cast.) Sacc.

Hab. in cortice duriore Oleæ europææ in agro Veronensi et Tridentino, autumno 1874.- *a Conegliano* (Speg. 1876).

Obs. I. Asci cylindracei, 110 * 12—14, breve crasseque stipi-

tati, paraphysati, 8-spori. Sporidia disticha cylindraceo-fusoidea, 28—32 * 9—10½, utrinque obtusiuscula, sæpius inæquilateralia, subcymbiformia, initio subhyalina, pluri-guttulata, dein 5—7-septata olivaceo-fuliginea, ad septum medium leniter constricta.

Obs. II. *Sphæria melina* B. et Br. in Rabh. F. E. Nr. 1835 huic peraffinis est, ergo ex eodem genere. (Hæc et *C. Olearum* in «Michelia» p. 345 ad gen. *Melanomma* duxi.)

25. **Bertia macrospora** Sacc. Peritheciis dense gregariis confluentibusque, superficialibus subrotundis, repandisque ubique obtuse verruculosis, atris, opacis, diam. circiter ¾—1 mill., ostiolo brevi papillato, quandoque vix distincto, contextu pachydermatico, carbonaceo, atro; ascis cylindraceo-clavatis, apice rotundatis, deorsum crassiuscule attenuato-stipitatis, 100—130 * 15, stipite imo basi noduloso appendiculatoque, paraphysibus filiformibus brevibus parcis obvallatis, 8-sporis: sporidiis oblique monostichis v. distichis, elongato-fusoideis, 40—45 * 10—12, plerumque curvulis, utrinque obtuse attenuatis, constricto 1-septatis, crasse 4-guttatis, tandem tenuiter 3-septatis, hyalinis.

Hab. in ligno decorticato putre fagineo in sylva *Cansiglio* (Treviso) Octobr. 1874.

Obs. Affinis *Bertiæ querceti* Rehm Asc. No. 43 et Winter Diagn. und. Notiz. zu Rehm's Asc. p. 5; differt vero sporidiis plus quam duplo crassioribus, peritheciis magis rugosis, subopacis, etc.

MICHELIA

COMMENTARIUM MYCOLOGICUM

FUNGOS IN PRIMIS ITALICOS ILLUSTRANS

CURANTE

P. A. SACCARDO

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PATAVII
TYPIS SEMINARII
1879

NOVA ADDENDA

AD

MYCOLOGIAM VENETAM

AUCTORE

CAROLO SPEGAZZINI

Hymenomyceteæ *Fr.*

1. Clavaria pistillaris L., Saccardo Myc. Ven. Sp. p. 67.

Hab. In sylvula comitis Giustiniani prope *Conegliano,* aut. 1879.

Obs. Formam legi abnormem, subpyriformem, apice umbilicatam, longitudinaliter plicato-rugosam, cinereo-rubescentem, alt. 14 cent., diam 6 cent. An varietas?

Gasteromyceteæ *Fr.*

2. Geaster mammosus Fr., Vitt. Monog. Lycop. p. 165. tab. I. fig. IX.

Hab. In sylva alpina *Cansiglio* inter acus putrescentes Coniferarum, Aug. 1878.

Obs. In eadem sylva legi etiam *Geasterem fornicatum* (Huds) Fr., *G. hygrometricum* Pers., et *Lycoperdon pyriformem* Schäff. ad caudices putrescentes Fagorum.

Hypodermeæ dBry.

3. Ustilago receptaculorum (DC) Tul. Sacc. Myc. Ven. Sp. p. 73.

Hab. In receptaculis florum Scorzoneræ hispanicæ in sylvula comitis Giustiniani, prope *Conegliano,* verè 1878 & 1879, rarissime.

4. **Polycystis? italica** S. & S. in litt. ad Schröt. Endogena; externe nunquam manifesta: sori fere totam seminis massam occupant, et pulvere compactiusculo, atro-brunneo obruunt: sporæ 3–6 conglobato-connatæ: una lateralis, magna, sphærica, hyalino-verruculosa, atro-fuliginea, 25–30 mm. diam., ceteræ (2–5) subglobosæ, glomerulatæ, 5–10 diam., pallide fuscæ, leves, episporio crassiusculo donatæ.

Hab. Intra semina Castaneæ vescæ, *Conegliano* 9 Novembri 1878.

Obs. An vera Ustilaginea sit, ignota germinatione, dubitandum.

5. **Uromyces Chenopodii** Thm. in schedis. — Speg. *Decades myc. Ital.* n. 30. (sub nom. *U. gigantei* Sp.)

Hab. In caulibus Schoberiæ maritimæ in Campo Martis, *Venetiis,* Martio 1879.

6. **Æcidium Compositarum** Mart. Fl. Erl. p. 314. Cook. Brit. Fung. II, p. 542 = f. *Hieracii murorum.*

Hab. In ejusdem foliis vivis in alpinis Cadubriæ *a Zoldo,* æst. 1877.

7. **Melampsora Betulæ** (KL) Dmz., Sacc. Myc. Ven. Sp. p. 77.

Hab. Ad folia viva Betulæ albæ *a Belluno,* Oct. 1878, rarissime.

Phycomyceteæ dBy.

8. **Peronospora Cydarissiæ** PBy. Thuemen Myc. Univ. n. 45. Erb. Critt. Ital. Ser. II. n. 692.

Hab. In foliis Euphorbiæ Cyparissiæ *a Belluno,* Octobri 1878.

9. **Pilobolus Kleinii** v. Tiegh. Struct. Spor. Pilob. in Boll. d. l. Soc. Bot. de Franc. 1875.

Hab. In stercore humano putrescente, *Conegliano,* vere 1879 rarius.

10. **Cystopus candidus** (Pers.) dBy, Sacc. Mycol. Ven. p. 89. — forma *Sisymbrii officinalis* & forma *Arabidis hirsutæ.*

Hab. in eorumdem foliis *a Conegliano,* majo 1879.

11. **Cystopus cubicus** (Str.) dBy, Sacc. Mycol. Ven. p. 89. — forma *Tragopogonis pratensis*.

Hab. in ejusdem caulibus, foliis floribusque *a Conegliano*, Majo 1878.

Ascomyceteæ dBy.

Pyrenomyceteæ *Fr.*

12. **Fracchiæa heterogenea** Sacc. Myc. Ven. Specimen p. 115. et Mycoth. Ven. n. 88.

Hab. In sarmentis putrescentibus Rubi fruticosi *a Susegana*, Majo, & Alni viridis *a Belluno*, Oct. 1878.

Obs. Asci paraphysibus longioribus, crassiusculis, guttulatis, hyalinis obvallati, quæ sine jodi ope difficillime conspiciuntur.

13. **Ceratostoma Venetum** Speg. Perithecia sub-carbonacea, majuscula, $^1/_4$-$^1/_3$-mill. diam., sparsa, superficialia, subglobosa in ostiolum crassum fragile apicem versus molliusculum, desinentia; contextu peritheciorum parenchymatico-celluloso, ostioli autem prosenchymatico-fibroso: asci (cito diffluentes).....: sporidia subnavicularia, inferne inæquilateraliter sub-mucronata, fuliginea, opaca, 6–9 = 5.

Hab. Ad putamina Coryli Avellanæ putrescentia, *Conegliano*, Febr. 1879, rarissime.

14. **Amphisphæria culmicola** Sacc. Myc. Ven. Spec. p. 113. Fungi Ital. n. 444.

***A. melanommoides**.

Hab. In radicibus et culmis Arundinis Donacis putrescentibus *Conegliano*, Mart. 1879.

Obs. A typo recedit peritheciis globosis, superficialibus, papillulatis, dense gregariis; notæ fructificationis perfectissime tamen quadrant cum typo.

15. **Sphærella Coneglanensis** Sp. Perithecia primo subepidermica, dein erumpentia atque subsuperficialia, 120–150 micr. diam., laxe gregaria; contextus inferne subcarbonaceus, superne parenchymatico-polyedricus, fuligineo-ater. Asci cylindracei vel cylindraceo-clavati,

antice crassiuscule tunicati, 40–45 = 5, octospori, aparaphysati. Sporidia didyma, loculo superiore majore, hyalina, 7–8 = $2^1/_3$–3.

Hab. Ad folia emortua dejecta Calycanthi floridi, Mart. 1879, *Conegliano.*

16. **Sphærella nerviseda** Sp. Perithecia innata, sphæroidea, ostiolo perforato papillato donata, 100–120 micr. diam.: contextus minute parenchymaticus, ater. Asci clavati, vel cylindraceo–clavati, aparaphysati, 35–45 = 7–$7^1/_2$, octospori. Sporidia oblongo–cylindracea, didyma quandoque curvula, ad septum vix constricta, hyalina, 15–20 = $2^1/_2$–3, disticha vel oblique monosticha.

Hab. In nervis foliorum putrescentium, quæ toruloso–reticulata evadunt, Orobi verni, *Conegliano,* vere 1879.

Obs. Cum *Sph. nemorosa* S. & S. in eadem planta vigente non comparanda.

17. **Sphærella Epicymatia** (Wallr.) Fckl. Symb. myc. p. 118. Karsten. Myc. Fenn. II. p. 96.

Hab. In thallo emortuo putrescente Parmeliæ caperatæ *a Bresséo* (*Colli Euganei*) Febr., *a Belluno* et in *Sylva Cansiglio,* Aug. et Oct. 1878.

18. **Sphærella Lachesis** Sacc. Fung. Ven. Ser. II. p. 302. Speg. Decades myc. Ital. n. 11.

Hab. In foliis emortuis putrescentibus Hellebori viridis, *Conegliano,* vere 1878.

19. **Sphærella prominula** Speg. n. s. Peritheciis globulosis, primo tectis, dein subsuperficialibus, minutis, 100–120 micr. d., laxe gregariis v. sparsis, epiphyllis, atris: ascis cylindraceo–sinuosis crassiuscule tunicatis, mollibus, aparaphysatis, octosporis, 70–75 = 8–10; sporidiis valde irregularibus, elliptico–oblongis, subinæquilateralibus, 1–septatis, ad septum valde constrictis, minute 2–8–guttulatis, hyalinis, 15–16 = 7–8.

Hab. ad folia emortua Pteridis aquilinæ *a Conegliano,* Majo 1878.

Obs. A *Sphærella Pteridis, S. aquilina, Didymella lophospora* etc. satis superque distincta.

20. **Gnomonia Veneta** Speg. Perithecia globulosa, laxe gregaria, primo parenchymati innata, tecta, dein emergentia, sicca cupulato-collapsa, $^2/_{10}$–$^3/_{10}$ mill. diam., atra, rostro elongato, recto vel curvulo, crassiusculo, perithecium æquante vel paululum excedente, concolore instructa. Asci fusoideo-clavati, apice rotundati, crassiuscule tunicati, 45–50 ≈ 7–8, octospori, aparaphysati. Sporidia elongato-fusoidea, quandoque sub-clavulata, utrinque obtusiuscula, excentrice 1-septata, h. e. loculo inferiore bis longiore quam superiore, hyalina, minute pluriguttulata, utrinque appendicibus rostriformibus acutiusculis auctis, 15 ≈ $3^1/_2$–4,

Hab. Ad folia dejecta Ostryæ carpinifoliæ, *Colfosco,* Martio 1879.

21. **Gnomonia vulgaris** Ces. & DNtrs. Karsten, Myc Fenn. II. p. 124. Sacc. Michelia II. 245.

Hab. Ad folia dejecta putrescentia Coryli Avellanæ, *Conegliano,* vere 1879.

22. **Diaporthe** (Tetrast.) **Mahoniæ** Speg. Stroma ramos late ambiens per lignum immutatum tortuose et profunde excurrens, nigrolimitatum; peritheciis discretis, globosis, $^1/_3$–$^1/_4$ mill. diam., ligno decorticato vel corticato totaliter vel semiimmersis, ostiolis brevibus, cylindraceo-conoideis, obtusis, exertis. Asci oblongo-fusoidei, 65–75 ≈ 10, octospori, aparaphysati. Sporidia disticha vel oblique monosticha, elliptico-elongata, 12–14 ≈ 4–$4^1/_2$, utrinque rotundata, medio constricto-1-septata, 2–6-guttulata, hyalina.

Hab. In ramulis emortuis Mahoniæ Aquifolii, *Conegliano,* 7 Mart. 1879.

23. **Diaporthe** (Euporthe) **Americana** Sp. Stroma hinc inde ramos ambiens, per lignum immutatum excurrens, nigro-limitatum; peritheciis 3–7 in eadem macula stromatica laxe-gregarie insidentibus, ligno infossis, $^1/_6$–$^1/_8$ mill. diam., atris, ostiolo plus vel minus longo recto vel curvulo, cylindraceo, corticem perforante ornatis; contextu tenuissime membranaceo-parenchymatico, fuligineo. Asci oblongo-fusoidei, aparaphysati, 55–

60 = 7–8, granuloso-oleoso farcti. Sporidia ..... immatura, non visa.

Hab. In ramulis emortuis Magnoliæ grandifloræ, *Susegana*, Oct. 1877.

24. **Diaporthe (E.) muralis** Sp. Stroma caulem late ambiens; peritheciis globosis, atris, ligno immutato immersis, discretis vel rarius subaggregatis, $^1/_5$–$^1/_6$ mill. diam., ostiolo cylindraceo-conoideo, plus minusve exerto, nunc recto nunc obliquo ornatis. Asci oblongo-fusoidei, 40–50 = 8–10, 8-spori, aparaphysati. Sporidia disticha vel oblique monosticha oblongo-ellipsoidæ, medio 1-septata atque constricta, utrinque obtusiuscule acuminata, 15 = 4 guttulata, hyalina.

Hab. In caulibus emortuis Sedi albi, Patavii, Febr. (immatura), et S. reflexi, *Belluno* Oct. 1878.

25. **Diaporthe** (Euporthe) **occulta** (Fckl.) Nke, Fckl. Symb. 210.

Hab. ad strobilos putridos Cupressi sempervirentis *a Susegana*, Majo 1879, rarissime.

26. **Amphisphæria fallax** DNtrs Sfer. ital. p. 69 tab. 72. Rabh. F. E. n. 1935.

Hab. in cortice duriore Quercus pedunculatæ, in collibus *di Conegliano,* rarissime, Majo 1879.

27. **Leptosphæria nectrioides** Speg. Perithecia subcorticalia, $^2/_{10}$–$^3/_{10}$ mill. diam., superne cortici tenaciter adhærentia, atque eum circum circa paululum nigrificantia, sordide flavo-fuscescentia, ostiolo atro subceraceo epidermidem perforante donata; contextus molliusculus, tenui—membranaceus melleo-fuscidulus, ostiolum versus ater ac subcarbonaceus. Asci fusoideo-clavati, 90–100 = 12–18 p. spor., apice rotundati, inferne in pedicellum crassiusculum, 15–20 = 5, elongati, paraphysibus paulo longioribus, filiformibus, guttulatis obvallati: sporidia disticha vel tristicha, fusoideo-elongata, 8-septata, ad septa constricta, curvula, loculo tertio superiore tumidiore, utrinque acutiuscule rotundata, fuligineo-olivacea, 35 = 6.

Hab. In sarmentis putridis Clematidis Vitalbæ in Monte *Cerva* prope *Belluno,* Oct. 1878.

28. **Leptosphæria arvensis** Sp. Perithecia innata, subsphæroidea, 100–150 micr. diam., parallele disposita, atra, ostiolo minuto, papillato, parum exerto, contextu fuligineo dense parenchymatico. Asci cylindracei vel cylindraceo–clavati, 90–120 ≈ 7–11, paraphysibus creberrimis, mucosis–obvallati, octospori. Sporidia elongato-fusoidea, disticha vel oblique monosticha, utrinque acutiuscula, 3–5–septata, loculis internis 1–guttulatis, flavido–fuliginea, 30–35 ≈ 5–6½.

Hab. In caulibus emortuis putrescentibus Equiseti arvensis, *a Conegliano*, Decemb. 1878.

29. **Leptosphæria puccinioides** Speg. n. s. Peritheciis 2–3 gregariis v. solitariis, parenchymati immersis, macula fusca lineari ex immumeris hyphis mycelicis conflata insidentibus, nudoque oculo Pucciniam æmulantibus; ascis cylindraceo–clavatis, breve stipitatis, 60–65 ≈ 7–8, aparaphysatis octosporis; sporidiis cylindraceo–oblongis, 5-septatis, loculo secundo superiore protuberante, ad septa vix constrictis, 18–20 ≈ 3–4, pluriguttulatis, hyalinis.

Hab. ad folia dejecta Caricis paludosæ *a Conegliano*, vere 1879.

30. **Sporormia ambigua** Niessl Die Arten Pyr. Spororm in *Œsterreich. Bot. Zeitsch.* p. 97, H. 2, Febr. 1874.

Hab. In fimo vaccino putrescente in montanis prope *Belluno*, Oct. 1878.

31. **Sporormia leptosphærioides** Speg. Perithecia minuta, sparsa, subsphæroidea, 120–140 mm. diam., ostiolo impresso perforata, contextu membranaceo parenchymatico–polyedrico atro–fuligineo. Asci cylindracei, superne rotundati, p. sp. 100–110 ≈ 10–15, inferne in pedicellum, 30–35 ≈ 5, elongati, paraphysibus simplicibus filiformibus obvallati. Sporidia cylindraceo–fusoidea, tetramera, recta vel curvula, loculis duobus mediis cylindraceis, duobus extimis sub–conoideis, muco deficientia, atque loculis numquam secedentibus donata, 30–35 ≈ 5–5½, obscure fuligineo–olivacea.

Hab. In fimo ovino vetusto putrescente in pratis circa *Conegliano*, æst. 1878.

32. **Melanomma canescens** Sp. Perithecia globosa vel subsphæroidea, minuscula $^1/_4$–$^1/_3$ mill. diam., atra, subcarbonacea, ostiolo papillato perforato donata, pilis sordide hyalinis, continuis vel 1–2–septatis, 100–200 = 5–7, undique laxe vestita (etiam in senectute?), ut oculo nudo cinereo–hirtella videntur. Asci cylindraceo–clavati, paraphysibus obvallati, octospori, 70–90 = 15–18. Sporidia disticha vel oblique monosticha, triseptata, ad septa non vel vix constricta, elliptica vel ovoideo–elliptica, quandoque subinæquilateralia, loculis 1–guttulatis, 20–25 = 10, primo hyalina, dein dilute fuligineo–virescentia.

Hab. Ad asseres abietinos putrescentes, *Conegliano* 21 Decembre 1878.

33. **Melanomma alpinum** Sp. Perithecia dense gregaria circulariter pustulatim erumpentia (more *Botryosphæriæ Bèrengerianæ f. Rhamni Frangulæ*), minuta, $^1/_3$–$^1/_4$ mill. diam., ovoidea vel subsphæroidea, papillulosa, atra, ostiolo minuto perforata. Asci cylindracei, vel leniter cylindraceo–clavati, 75–90 = 8–9, octospori, paraphysibus longioribus obvallati. Sporidia disticha vel sæpiùs oblique monosticha, primo hyalina 2-magniguttulata, dein 4–guttulata, postremo 1–septato–constricta, pallide olivaceo–fuliginea, 18 = 4.

Hab. Ad ramulos emortuos Rhamni saxatilis, Rh. Frangulæ, & Hippophaëos rhamnoidis in alpinis prope *Belluno,* Oct. 1878.

Obs. Species habitu *Botryosphæriæ Bèrengerianæ* simillima, sed notis fructificationis valde recedere videtur.

34. **Kalmusia dealbata** Sacc. Fung. Ven. ser. V. p. 179. Mycoth. Ven. n. 677.

Hab. Conegliano, in trunco decorticato adhuc vivo Lyriodendri Tulipiferæ, vere 1879.

35. **Aglaospora profusa** (Fr.) DNtrs., Sacc. Myc. Ven. Sp. p. 125. Mycoth. Ven. n. 98–650.

Hab. Vulgatissima in omnibus ramis truncisque emortuis Robiniæ pseud–acaciæ, *Conegliano,* perennis, 1875–79.

Obs. Vere anni præteriti apud Coneglianum observavi

ad folia *Vitis viniferæ* pelliculam tomentosulam atram nudo oculo *Capnodio* vel *Fumagini* simillimam; microscopio autem observata ab innumeris sporidiis *Aglaosporæ profusæ* composita videbatur. Hæc sporidia, a palis Robiniaceis, quibus Vitis maritata, exsiliebant atque illapsa super folia, humiditatis foliorum causa, germinare incipiebant. Sporidia germinantia, ex uno vel pluribus loculis hypham, 100–150 = 3, emittebant hyalino–fuscidulam, quæ sub-dichotomice dividebatur atque apicibus conidia hyalina, elliptica vel ovoidea, minuta 4–5 = 1–2½, gerebat. Quandoque invicem duo ramuli, ex eodem sporidiorum loculo orti, vertice conjungebantur, et corpusculum cylindrico–oblongum sinuoso–intestiniforme, 30–35 = 6–8, quandoque summitate subspiraliter revolutum efformabant.

SACCARDOELLA Speg. (nov. gen.) *Char.* Perithecia majuscula totaliter immersa, ostiolo papillato donata, carbonacea: asci cylindracei,—octospori, paraphysati: sporidia fusoideo–elongata, 20–30—septata, utrinque setigera.

36. **Saccardoella Montellica** Speg. Perithecia majuscula, ½–¾ mill. diam., cortice immersa, ovato–sphæroidea, superne in ostiolum acutiusculum vix exertum, perforatum desinentia, atro–carbonacea. Asci cylindracei, longissimi, 400–450 = 14–15, apice crasse tunicati, inferne in pedicellum breve ac robustum attenuati, paraphysibus filiformibus guttulatis, obvallati. Sporidia prægrandia, fusoideo–elongata 100–115 = 12, 20–30–septata, ad septa leniter constricta, loculis 3–5guttulatis, utrinque acutiuscula, ac setula rigidula, 10–15 = 1 ornata, hyalina vel fuscidula.

Hab. Ad corticem vetustum quercuum in sylva *Montello,* 3 Jan. 1879, rarissime.

37. **Pleospora Venturia** Sp. Perithecia superficialia, minutissima, 120–140 mmm. diam., sparsa, hypophylla, pilis rigidulis, atris, unicellulatoribus, 40–80 = 5–7, laxe undique vestita, contextu tenui–membranaceo parenchymatico, fuligineo–atro. Asci pauci, 5–7 in eod. perith., cylindraceo–clavati, crasse tunicati, 4–8spori, apa-

raphysati, 80–90 = 30–35. Sporidia disticha, majuscula, elliptica, utrinque obtusa, 3–5 horizontaliter, 2–4 verticaliter septata, ad septum medium constricta, primo flavida multiguttulata, dein brunneo-fuliginea 30–40 = 15.

Hab. Ad folia arida Dryadis octopetalæ in alveo *Plavis, a Belluno*, Oct. 1878.

38. **Pleospora malacospora** Speg. Perithecia innata; lenticulari-subsphæroidea, $^1/_5$–$^1/_6$ mmm. diam., ostiolo papillato protuberante exerto, contextus densissime parenchymatico fuligineo-atro. Asci cylindraceo-clavati, apice crassissime tunicati, pauci, aparaphysati(?), 100 = 16–18. Sporidia disticha, ellipsoidea irregulariter murali-septata, ad septa constrictiuscula, flavescentia, 22–24 = 10–11.

Hab. In charta stercorata putri in umbrosis prope *Conegliano*, vere 1879.

39. **Pleospora hyalospora** Speg. Perithecia hinc inde sparsa maculis albidis insidentia, subepidermica, lenticulari-sphæroidea, $^1/_3$–$^1/_2$ mmm. diam., sicca cupulata, ostiolo minuto papillato, epidermidem perforante, donata. Asci cylindraceo-clavati, crasse tunicati sed tenerrimi et fere diffluentes, paraphysibus duplo longioribus obvallati. Sporidia elliptica, 3-horizontaliter, 1-verticaliter septata, ad septa, speciatim medio, constricta, perfecte hyalina, granuloso-nubilosa quandoque farcta, 24 = 12.

Hab. In sarmentis emortuis Vitis viniferæ *a Belluno*, Oct. 1878.

Obs. Ob sporidia perfecte hyalina probabiliter ad novum genus trahenda species.

40. **Pleospora hispida** Niessl Notiz. ueb. n. k. Pyr. p. 193, tab. IV, f. 17.

Hab. In caulibus emortuis putrescentibus Lithospermi officinalis *a Conegliano*, vere 1877.

41. **Pleospora Salsolæ** Fuck. Symb. myc. p. 131–Fung. Rh. n. 814. Speg. Dec. It. myc. n. 21.

Hab. In caulibus emortuis putrescentibus Salsolæ Kali in Campo Martio, *Venetiis*, 25 Martio 1879.

42. **Rhaphidophora herpotricha** (Fr.) C. DNtrs Scheme Sfer. 233. *Sph. herp.* Fr. DNtrs Micr. it. Dec. IX. n. 9. Perithecia sparsa vel laxe gregaria, in matrice sæpius stromatice obscurata insidentia, majuscula $^1/_2$–$^3/_4$ mill. diam., olivaceo-brunnescentia, ostiolo prominulo acutiusculo ornata, atque hyphis fuligineis, anastomosantibus undique tomentoso-vestita, contextu parenchymatico fuligineo densissimo. Asci cylindrici, 140—160 = 10—12, paraphysati, 8-spori; sporidia bacillaria, 140—160 = 2—3, pluriguttata, hyalina.

Hab. In culmis putrescentibus Tritici vulgaris, *Conegliano,* Martio 1879.

43. **Pseudovalsa longipes** (Tul.) Sacc. Fung. Ven. Ser. IV. p. 20. *Melanconis longipes* Tul. Cke Hnd. 820.

Hab. Ad ramulos dejectos *Quercus sessilifloræ, Conegliano,* aut. 1877–78.

Obs. Asci clavati, 8-spori, apice crassæ tunicati; sporidia elongata curvula, 4–5-septata, non constricta fusca, 35—45 = 4—5.

Hypocreaceæ DNtrs.

44. **Nectriella villosula** Speg. Perithecia superficialia, sparsa minutissima, $^1/_8$–$^1/_6$ mill. diam., flavescentia vel flavo-rufescentia, villoso-tomentella, subsphæroidea, ostiolo papillato ornata, contextus densissime et minute parenchymaticus, flavido-dilute-ochraceus. Asci cylindraceo-fusoidei, superne coarctati atque truncati, 45–50 = 4–5, aparaphysati, octospori. Sporidia disticha, rarius monosticha, continua quandoque 1–3-guttulato-pseudoseptata, hyalina, elliptica vel elliptico-elongata, 8–10 = $2^1/_2$–3.

Hab. In ramulis emortuis Rosæ alpinæ in Monte *Cerva* prope *Belluno,* Oct. 1878, rarissime.

Obs. Ob sporidia quandoque 1–2–3-guttulato-pseudoseptata ad *Calonectriam* vergit.

45. **Nectria Urceolus** Sp. Decades mycologicæ Italicæ N. 16. Perithecia urceoliformia, gregaria, carneo-fla-

vescentia, minuta, superne applanata, ostiolo fuscidulo perforata, contextu tenuissime membranaceo, polyedrico-parenchymatico, dilute roseo-flavescente. Asci cylindraceo-fusoidei, apice coarctati, præcipue in junioribus, atque tunica crassa bifoveolata donati, 4–6–8-spori, 40–45 ≈ 4–5, aparaphysati. Sporidia disticha rarius oblique monosticha, cylindracea, utrinque obtusiuscula, medio 1-septata et constricta, nubiloso-hyalina, 16–18 ≈ 2–3.

Hab. In ramulis emortuis putrescentibus Rosæ Gallicæ in Monte *Cerva* prope *Belluno,* Oct. 1878.

46. **Nectria charticola** (Fuck.) Sacc. Michelia III, p. 289. *Fuck.* Symb. myc. p. 176.

Hab. Conegliano, in charta putrescente stercorata in umbrosis, Febr. 1879.

Obs. A *N. Pezicula* Sp. Mich. II, p. 232 facillime dignoscenda.

47. **Calonectria macrospora** S. & S. Michelia II. 251. Fungi ital. N. 197.

* **C. Tarvisina** Speg. Perithecia flavo-rubentia, subglobosa, $^1/_4$–$^1/_3$ mill. diam., superne intensius colorata, ostiolo subumbilicato perforata, non crasse tunicata: contextu densiusculo, flavo-rubescente, parenchymatico. Asci clavati, paraphysibus creberrimis obvallati, 150–180 ≈ 20. Sporidia fusoidea, quandoque curvula, utrinque acutiuscule rotundata, 7-septata, grosse 6–8-guttulata, ad septa constricta, 60 ≈ 10–12, hyalina, senectute tamen pallide fuscescentia.

Hab. In ramulo emortuo putrescente Gleditschiæ Triacanthi, *a Treviso,* 22 Novemb. 1878, rarissime.

Obs. A typo *C. macrosporæ* recedit peritheciis minoribus, superne non truncatis, minus crasse tunicatis, colore, habitatione etc.

48. **Aponectria inaurata** (B. & Br.) Sacc. Michelia III. p. 296. Cook. Hndb. p. 783.

Hab. In ramulis emortuis Ostryæ & Franguiæ in montanis prope *Belluno,* Oct. 1878.

Obs. I. Perithecia minuta, globosa, aurantiaco-cinnabarina, cæspitosa erumpentia. In eodem perithecio adsunt asci spermatiophori, 75–80 ≈ 10, aparaphysati,

50–100 sporidia minuta ovoidea vel elliptica, 3 = 1, hyalina foventia; asci autem veri rariores, 8–spori, 70–80 = 7–8; sporidia elliptica hyalina spurie 1–septata, crassiuscule tunicata, utrinque obtusiuscula atque mucrone concolore acutiusculo aucta, 14–16 = 3–3½.

Obs. II. Diu confusi cum *Chilonectria Cucurbitula*, in eodem ramulo concrescente, sed sedulo observata perithecia valde diversa videntur, nam minora, numquam cupulata, aurantiaco–cinnabarina nec rubella viridi–aureo tecta. An status *Chilonectriæ*? Etiam in *Pleonectria Lamyi* perithecia primo cupulata, rubella viridi–aureo tecta, dein rufo–rubescentia etc. observavi.

Dothideaceæ *Nke.*

49. **Dothidea insculpta** Wallr. Fuck. Symb. Myc. p. 223. Saccardo, Fung. Ven. p. V. p. 183. Mycoth. Ven. n. 641 Fungi italici N. 211.

Hab. In sarmentis emortuis putrescentibus Clematidis Vitalbæ, *Conegliano, Belluno* etc. autumno & vere 1876–79.

Obs. Omnia specimina quæ ipse legi *a Conegliano* & *Belluno* (nam species vulgatissima) valde differunt a descriptione Fuckelii et tabulis Saccardoi. Asci 70–100 = 15–18, crassiuscule tunicati; sporidia bilocularia, loculo supero tumidiore, utrinque rotundata 20–25 = 6–8, diu hyalina sed tandem viridulo–fuliginea. Notis citatis exemplaria mea melius accedunt ad formam *Dothideæ Sambuci*, quam *D. insculptæ*. An hæc postrema varietas *D. Sambuci?*

Lophiostomeæ *Sacc.*

50. **Lophiotrema? affine** Speg. Perithecia minutissima, 100–150 micr. diam., subepidermica, laxe gregaria, ostiolo compresso, tantum exerto, donata, contextu distinctissime oblongo–parenchymatico, atro. Asci cylindracei, vel cylindraceo–clavati, apice obtusiusculi atque crassiuscule tunicati, 80–10,12, octospori. Sporidia pri-

mo 1–septata pluriguttulata utrinque acuta ac curvula, dein dilute fuscidula, 3–septata, ad septa constricta, recta, utrinque rotundata, 18 = 6 atque cauda, 3–4 = 1–1½, parvula, rostriformi, acuta donata.

Hab. In ramulis emortuis Ampelopsidis hederaceæ *a Conegliano,* aut. 1878.

51. **Lophiotrema culmifragum** Sp. Perithecia subglobosa, minuta, immersa, ¼–⅓ mill. diam., parallele disposita, ostiolo tantum superficiem attingente, circum circa substratum parum nigrificantia. Asci cylindraceo–clavati, 80–90 = 8–10, paraphysibus filiformibus obvallati. Sporidia disticha primo constricto–1–septata, 4–guttulata, dein 3–septato–constricta, curvula 4–6–guttulata, hyalina, 20–25 = 4–5.

Hab. In culmis putrescentibus Arundinis Donacis *a Conegliano,* Aug. 1878.

Obs. Cum *L. semilibero* & *L. Arundinis* in eadem matrice cohabitantibus non comparandum.

52. **Lophiotrema littorale** Speg. Perithecia laxe gregaria, ¼–⅓ mill. diam., subsphæroidea, ostiolo papillato compresso donata, basi tantum (rarius totaliter) ligno insculpta. Asci cylindraceo-clavati, breve–stipitati, crasse tunicati, 140–150 = 20–22, octospori, paraphysibus creberrimis ramulosis, guttulatis obvallati. Sporidia disticha, 5–septata, ad septa constricta, loculo tertio superiore protuberante, loculis grosse 1–2–guttulatis, hyalina, 35–40 = 12–14.

Hab. In ligno decorticato Salicis fragilis in insula dicta *Lido* apud *Venetias,* 25 Martio 1879.

Ob. Iodi ope asci et sporidia flavescunt; substantia autem, qua sporidia in ascis obvolvuntur, intense rubro-brunnescit et subopaca fit.

53. **Lophiostoma macrosporum** Speg. Perithecia ½–1 mill. diam., subsphæroidea, basi ligno insculpta, ostiolo compresso acutinsculo donata, solitaria vel 3–5 laxe gregaria, carbonacea. Asci cylindraceo–clavati, crasse tunicati, breve pedicellati 300–350 = 40–50, octospori, paraphysati. Sporidia oblongo–fusiformia, utrinque acutiuscula atque hyalino–apiculato–caudata, primo hyali-

na, strato crasso obvoluta, medio 1–septato–constricta, 24–32 guttulis 1–3–seriatis donata, dein sub–fuliginea, loculo superiore intensius colorato, 12–16–pseudo–septata ibique paulum constricta 95–100 = 20.

Hab. In cortice vetusto dejecto Quercus pseudorubra in Sylvula *Giustinian* prope *Conegliano*, vere 1879, socio *L. vicino* & *L. Montellico*, cum quibus facillime confunditur, iis vero rarius reperitur.

54. **Lophiostoma collinum** Speg. Perithecia parenchymate foliorum immersa, laxissime gregaria, parallela, ostiolo compresso acutiusculo exerto, subglobosa, atra, 180–200 micr. diam. Asci cylindraceo–clavati, superne rotundati, inferne in pedicellum brevem ac nodulosum desinentes, 150 = 20, paraphysibus longioribus filiformibus obvallati. Sporidia disticha, utrinque obtusiuscula, 5–7–septata, loculo superiore parum protuberante, ad septa leniter constricta, loculis raro 1–2–guttulatis, amœne flavescentia, 35–45 = 10–13.

Hab. Ad basim foliorum Caricis piluliferæ *a Conegliano*, Martio, & C. patulæ *a Belluno*, Octob. 1878.

55. **Lophiostoma oreophilum** Speg. Perithecia globosa profunde in ligno immersa, ostiolo compresso apice superficiem attingente, circum circa matricem cyaneo-virescentem (fere ut in *Chrysosplenio œruginoso*) efficientia. Asci cylindraceo–clavati, breve stipitati, 150 = 16–20, octospori, paraphysibus ramulosis, guttulatis obvallati. Sporidia disticha, elliptico–oblonga, utrinque acutiuscula, 5–septata, ad septa leniter medio evidentius, constricta, loculis 4 internis 1–guttulatis, amœne fuligineis, 2 extimis parvulis hyalinis, 30–35 = 8–10.

Hab. In ramulis emortuis putrescentibus Corni sanguineæ, in montanis prope *Belluno*, Oct. 1878.

Obs. Species profunditate peritheciorum, coloratione substrati (an semper?), apicibus sporidiorum hyalinis prædistincta! A *Loph. viridario* Cke diversa.

56. **Lophiostoma dumeti** Sacc. Fung. Ven. Ser. III. p. 3. Ejusd. Fung. it. N. 224.

Hab. In ramulis emortuis Fraxini excelsioris in montanis prope *Belluno,* Oct. 1878.

Obs. Ob sporidia perfecte cylindrica, parum quandoque curvata, ad septa numquam constricta aliquantulum a typo recedit. In agro Bellunensi legi etiam; *L. macrostomoides* DNtrs in cortice populino, & *L. Nucula* in Salicino. A *Conegliano* autem in radicibus Tunicæ Saxifragæ & cortice *Bignoniæ Catalpæ* inveni *L. Anaxæum* Sacc.

Hysteriaceæ *Cda.*

57. **Lophodermium xylomoides** Chev. Fuck. Symb. myc. p. 256. Sacc. Myc. Ven. S. p. 157. Speg. Decad. myc. Ital. N. 8.

Hab. Ad folia dejecta Cratægi Oxyacanthæ prope *Conegliano,* Martio 1879, rarissime.

58. **Lophodermium maculare** DNtrs., Fuck. Symb. myc. p. 251. Speg. Decad. myc. Ital. N. 9.

Hab. Ad folia dejecta Quercus pubescentis, Rhamni saxatilis, Vaccinii Vitis-Ideæ in Monte *Cerva, Belluno,* Oct. 1879.

59. **Hysterographium hiascens** Rhem., Ascomyceten N. 314. *Speg.* Decad. myc. It. n. 7.

Hab. In cortice vetusto Quercuum in *Sylva Montello* & *Giustinian,* sociis *Hysterio pulicari* & *vulgari.*

Obs. I. Singulare! Species vulgatissima sed ob suam faciem *H. pulicari* similem nondum detecta in Europa; distinguitur tamen facile etiam nudo oculo, peritheciis utrinque acutioribus, quandoque basi coarctatis, rima minus lata, atque defectu striarum longitudinalium. Specimina mea perfecte conveniunt cum Rhemianis tum notis externis tum fructificationis internis.

Obs. II. Legi quoque *a Conegliano Xylographum vagum* in foliis dejectis Ilicis Aquifolii vere, 1879.

Elaphomyceteæ *Tul.*

60. **Elaphomyces citrinus** Vitt. Monogr. Tub. p. 65, tab. IV. fig. XVI. Ejusd. Lycop. p. 214. tab. III. fig. XI. *Speg.* Decades myc. It. n. 5.

Hab. In terra calcareo-sabulosa inter radices Quercuum sub muscis in sylvula Comitis *Giustinian* prope *Conegliano,* vere 1879, rarius.

Obs. Odor debilis gratus. Fungus magnitudine pisi vel nucis Avellanæ; cortex levis brunneo-olivascens, thallo persistente floccoso late effuso amœne citrino-luteo obductus; peridium albido vel albido-cinereum crassiusculum; gleba atro-virescens; sporidia muriculata(?), 2-3guttulis magnis concentricis donata, fumose virescentibus, diam. 8-10 micr.

61. **Elaphomyces mutabilis** Vitt. *Vitt.* Monogr. Tub. p. 65, tab. IV, fig. XIV.; Ejusd. Lycop. p. 213.

***E. immutabilis** Speg. (Dec. mycol. Ital. n. 6 sub. *E. mutabili.*). Odor debilis, gratus. Fungus magnitudine pisi vel nucis avellanæ; cortex levis griseo-cærulescens, mollis, thallo persistente floccoso-fibroso albido late effuso obductus; peridium albidum; gleba virescens; sporidia muriculata(?), concentrice pluriguttulata, fuligineo-olivacea diam. 7-15 micromill.

Hab. Ad radices Quercuum sub humo non profunde delitescens in sylvula comitis *Giustinian* prope *Conegliano,* vere 1879; rarus.

Obs. A typo recedit peridio sub sectione non cyanescente, floccis thallinis candidis nec cinereo-argenteis, odore etc.

62. **Elaphomyces Morettii** Vitt. Monogr. Tub. p. 71: tab. IV, fig. XVII. Ejusd. Lycop. p. 224.

Hab. In terra calcareo-sabulosa profunde delitescens in sylvula comitis *Giustinian,* vere 1879, rarissime.

Obs. Odor incertus fungino-aromaticus. Fungus magnitudine nucis avellanæ vel juglandis; cortex minute et obtuse verruculosus ater, fragilis; thallo non viso;

peridium albido–cinereum, crassum; gleba atro–virescens; sporidia sphæroidea, 2–4 concentrice guttulata, 25–30, flavo–brunnea, primo in ascis subglobosis, 8–sporis inclusa.

63. **Elaphomyces granulatus** Fries.

Hab. Inter radices quercuum in sylvula *Giustinian* prope *Conegliano,* rarissime, vere 1878–79.

Obs. Odor debilissimus. Fungus magnitudine nucis avellanæ vel juglandis; cortex flavo–nigrescens, ex apice verrucarum flavido et basi nigrescente; verrucæ majusculæ; flocci thallini flavido–virescentes, fibrosi, rari atque apice ramulosi; peridium similare rubro–fuscescens: gleba coffeicolor, primo flavo–albida variegata; sporidia subatra, levia, 15–25 diam.

Tuberaceæ *Vitt.*

64. **Tuber brumale** Vitt. Monogr. Tub. p. 37. Sacc. Myc. Ven. Sp. p. 155. Speg. Decades myc. It. n. 1.

Hab. Circa radices Populorum ad ripas sabulosas torrentis *Monticano, Conegliano,* Dec. 1878. rarius.

65. **Tuber rufum** Pico Vitt. Monogr. Tub. p. 48. Sacc. Myc. Ven. Sp. p. 155.

Hab. Inter radices Populorum ad ripas sabulosas torrentis *Monticano* prope *Conegliano*, Dec. 1878, rarissime.

Discomyceteæ *Fr.*

66. **Pezicula Resinæ** Fuck. Symb. myc. p. 279.

Hab. In resina subputrescente Pini Strobi *a Conegliano,* Aprili 1879.

Obs. Ascos bene evolutos frustra quæsivi.

67. **Trochila Populorum** Dmz. Sacc. Michelia IV. p. 419. Speg. Decad. myc. It. n. 18.

f. **Salicis Capreæ.**

Hab. In ejusdem foliis dejectis putrescentibus, socia *Linospora Capreæ, a Conegliano.* Vere 1879.

Obs. Obturaculo vel apice ascorum jodi ope intense cærulescit.

68. **Stictis æcidiiformis** Speg. Ascomata æcidiiformia, 3–12 dense gregarie-stipata, vix $^1/_{10}$–$^1/_5$ mill. diam. ceraceo-subdiaphana, tenaciuscula, sordide luteolo-albida, semiimmersa, margine libero, stellatim laciniato-lacero; contextus excipuli parenchymaticus, minutus, e cellulis 2–4 micrm. diam. conflatus, dilutissime fuscidulus. Asci cylindraceo-clavati, brevissime stipitati, octospori, paraphysibus apice toruloso-clavulatis obvallati, 65–85 ≈ 8–9. Sporidia disticha vel subtristicha, cylindraceo-fusoidea, utrinque obtusiuscula, 7–10-septata, ad septa plus minusve constricta, 30–35 ≈ 4–4$^1/_2$, hyalina.

Hab. Parasitica in stromatibus *Diatrypellæ verruciformis* & *Diaporthis Mahoniæ,* in ramulis emortuis dejectis *Mahoniæ Aquifolii, Conegliano* 7 April. 1879.

Obs. Apex ascorum et paraphysum jodi ope dilute cærulescit.

69. **Dermatea stegioides** Speg. n. s. Ascomatibus primo subcutaneis, clausis, dein epidermide operculatim circumscissa sed permanente subvelatis, disciformibus, extus cinnamomeis, granuloso-tomentellis, disco cinereo v. subroseo, concavo, prominulo, $^1/_2$–1 mill. d.; ascis cylindraceis paraphysibus filiformibus obvallatis, 35–40 ≈ 2–3, octosporis; sporidiis distichis, cylindraceis v. clavulatis, non v. tenuissime 1-septatis, ad septum non constrictis, hyalinis, 5–6 ≈ 1–1$^1/_2$.

Hab. Ad ramulos emortuos Quercus sessilifloræ *a Colfosco,* Majo 1879, rarissime.

70. **Schyzoxylon Berkeleyanum** (Dub. & Lév.) Fuck. Symb. myc. p. 251. *Stictis decipiens* Karsten. Myc. Fenn. I. p. 240.

Hab. In sarmentis putrescentibus Vitis viniferæ *a Belluno,* Oct. 1878. & Rosæ caninæ *a Conegliano,* Mart. 1879.

Obs. Asci cylindracei 230–260 ≈ 10–12, paraphysibus filiformibus longioribus obvallati; sporidia ascorum

longitudine, septulata, in articulos, 6–10 ≈ 2, secedentia, hyalina.

71. **Pyrenopeziza lichenicola** Speg. Ascomata laxe gregaria, minutissima, vix $^1/_{10}$–$^1/_8$ mill. diam., atra epithecio dilutiore, sicca subsphæroidea, humida patellaria; contextu excipuli densissime parenchymatico atro. Asci clavato-elliptici, crasse tunicati, aparaphysati (?), octospori, iodi ope apice intense cærulescentes, 30–35 ≈ 12–15. Sporidia didyma, primo muco obvoluta, dein libera, loculo superiore crassiore, hyalina, ad septum constricta 6–8 ≈ 3–4.

Hab. In thallo emortuo *Parmeliæ caperatæ* in Monte *Cerva* prope *Belluno,* Oct. 1878.

72. **Niptera cinerea** (Batsch) Fuck., Sacc. Michelia IV. p. 424.

***Niptera exsiliens** Speg. Ascomata sessilia vel brevissime pedicellata, solitaria vel gregaria, hinc inde per epidermidem ramulorum erumpentia, extus atrocærulea, epithecio pallidiore griseo, linea candida marginato, magnitudine valde ludentia, $^1/_4$–1 mill. diam., Contextus parenchymaticus, marginem versus prosenchymaticus, densissimus, membranaceus. Asci cylindraceo-subclavati, apice obtusiusculi, in pedicellum crassum desinentes, 55–65 ≈ 5–7, paraphysibus guttulatis crassiusculis, obvallati, octospori. Sporidia clavulata, medio uni-septata, ad septum non vel vix constricta, hyalina 10–15 ≈ 2–3.

Hab. In ramulis emortuis dejectis Quercuum, quandoque parasitica in *Colpomate quercino, Conegliano,* vere 1879.

73. **Ciboria firma** (Pers.) Fuck. Sacc. Michelia IV, p. 428. Karsten, Mycol. Fenn. I. p. 108.

Hab. In ramulis emortuis Quercuum ad ripas *Monticani, Conegliano,* Novemb. 1878, rarissime.

Obs. Ascorum obturaculum iodi ope intense cærulescit.

74. **Lachnella corticalis** Fr., Karsten Myc. Fen. I. p. 159 (sub Helotio).

Hab. Ad corticem Quercuum vetustum in M. *Cerva* prope *Belluno,* et *a Conegliano,* per annum, 1877-79.

Obs. Species facillime dignoscenda ob amœnitatem colorationis; epithecio roseo, purpureo, vel cinnabarino–aurantiaco; excipulo vivide cæruleo, vel cinereo–cæruleo; magn. $^1/_2$ a $1^1/_2$ mill. diam.

75. **Dasyscypha bicolor** (Bull.) Fckl. Symb. Mycol. 305.

Hab. Ad ramulos emortuos Quercus pedunculatæ, *a Conegliano,* 8 April. 1879, rarius.

Obs. I. Species distinctissima et pulchella. Cupula sicca subsphæroideo-contracta, humida planiuscula, epithecio amœne luteo–aurantiaco vel cinnabarino, extus candida vel dilutissime rosea, pilosa, stipite nullo vel brevissimo suffulta. Asci cylindracei, breve stipitati, octospori, 50 = $3^1/_2$–$4^1/_2$, obturaculo minutissimo jodo cærulescente, paraphysibus longioribus oblongo–lanciformibus crassis obvallati, superne acutissimi, 60 = 5–$5^1/_2$. Sporidia elongato–fusoidea, vel ovoideo–elongata, hyalina, disticha vel oblique monosticha, 6–8 = $1^1/_2$. Cellulæ excipuli dilutissime fuscidulæ, ellipticæ 8 = 5; pili cylindracei subechinulati, hinc illinc septato–constricti, 100–200 = 5.

76. **Helotium collinum** Speg. n. s. Ascomatibus laxe gregariis primo subglobosis dein explanato–patellaribus, sessilibus, extus glabris, sordide virescentibus, disco amœne griseo–cæruleo, subhygrophano, diam. $^1/_4$–$^1/_2$ mill.; ascis cylindraceis, aparaphysatis, 45–50 = 4–5, obturaculo vel apice jodi ope dilute cærulescente; sporidiis distichis cylindraceo–fusoideis, subclavulatisque, quandoque utrinque uniguttulatis, hyalinis, 10 = 1–$1^1/_2$.

Hab. In pagina inferiore foliorum Viburni Lantanæ *a Conegliano,* Majo 1879.

77. **Calloria? pusilla** Speg. Ascomata sparsa, ephiphylla, primo epidermide tecta, dein erumpentia eâque fissâ cincta, subsuperficialia, minutissima, 120–150 micr. diam., pallide roseo–aurantiaca, sicca cupulato–concava, humida subhemisphærica, prominula; contextus excipuli parenchymaticus, irregulariter polyedricus, tenui–membranaceus, fuscidulus. Asci cylindraceo–clavati, apice rotundati, atque tunica crassa donati, 60 = 8, octospori, paraphysibus filiformibus apice leniter incrassatis ac un-

cinato-curvatis obvallati. Sporidia disticha vel oblique monosticha, elliptica 10 = 4, hyalina.

Hab. In foliis dejectis putrescentibus Corni sanguineæ, *a Conegliano,* Apr. 1879.

Obs. Sæpius ascomata in maculis latis, vagis non circumscriptis insident.

78. **Ascobolus stictoideus** Speg. Ascomata laxissime gregaria vel sparsa, minuta, vix $^1/_3$–$^1/_2$ mill. diam., externe aquose albida, epithecio dilute olivaceo ex ascis exilientibus nigro-punctato, totaliter in fimo immersa, non vel labiis tantum exertis, crassiusculis atque laceris. Asci pauci 5–10, magni 150–160 = 40, clavato-saccati, breviter ac crasse stipitati, superne crassiuscule tunicati, octospori, paraphysibus septulatis apice curvulis obvallati. Sporidia disticha vel irregulariter polysticha, elliptica, 25 = 14, primo hyalina, levia, dein amœne violacea, minute ac densissime verruculosa, postremo roseo-fuliginea.

Hab. In fimo canino putrescente, *Conegliano* April. 1879.

Obs. Tunica ascorum jodi ope obsolete cærulescit.

79. **Ryparobius saccoboloides** Speg. Ascomata dense gregaria, minutissima, 80–100 mil. diam., difficillime nudo oculo perspicienda, sordide roseo-fuscescentia, epithecio obscuriore virescente, primo globosa, hemisphærica, subsuperficialia; contextus excipuli minutissime ac densissime parenchymaticus, dilute roseo-fuscidulus. Asci ovoidei vel elliptico-clavati, superne obtusi, inferne in pedicellum crassum ac nodulosum desinentes, 40–50 = 20–25, 60–120-spori, aparaphysati. Sporidia in glomerulo 35–40 = 15–20 elliptico, tenaciter muco connexa, etiam extra ascos, elliptica vel ovoidea, utrinque obtusiuscula, continua, hyalina, luce refracta dilute chlorina, crassiuscule tunicata, 5–6 = $2^1/_2$–3.

Hab. In fimo canino vetusto putrescente, *a Conegliano,* Apr. 1879.

Obs. Iodi ope asci et sporidia rubro-fuliginea evadunt, stipites et bases ascorum autem ita colorantur ut opaci fiant.

Fungi imperfecti.

80. **Ramularia microspora** Thm. in Oest. bot. Zeit. 1877. p. 272. Mycoth. Univ. N. 982.

Hab. In hypophyllo Teucrii Chamædryos, *a Conegliano,* æst. 1877, rarissime.

81. **Ramularia Weigeliæ** Speg. Maculis subnullis, vagis. Acervulis hypharum hypophyllis super vel circa perithecia cujusdam Phyllostictæ vegetantibus, dense gregariis. Hyphis hyalinis, non vel rarius 1–2–septatis, apice nodulosis, 30–40 × 2–3; conidia hyalina magnitudine et forma ludentia, 5–15 × 3–4, subrotunda vel oblongo–cylindracea, quandoque continua, quandoque uniseptata, basi subapiculata.

Hab. In pagina inferiore foliorum Weigeliæ roseæ *a Conegliano,* aut. 1878.

82. **Ramularia Bellunensis** Speg. Maculis sordide cinerascentibus, late caules et folia ambientibus; hyphis subtortuosis, non vel rarius 1–2–septatis, apice incrassatis, hyalinis, 40–50 × 5; conidiis ellipticis vel ellipticocylindraceis, utrinque obtusiusculis, medio uniseptatis ad septum non vel vix constrictis, hyalinis, 25–30 × 5–6.

Hab. Ad folia & caules Chrysanthemi Parthenii *a Belluno,* Oct. 1878, vulgatissima.

83. **Cylindrosporium Valerianæ** Speg. Maculis magnis elongatis vel subrotundis griseis; hyphis brevibus, gracilibus, 50 × 3–4, hyalinis, nubiloso–granulosis, non vel 1–2–septatis, vertice irregularibus. Conidiis cylindraceis vel elliptico–elongatis, quandoque simplicibus, sed sæpius 1–3–septatis, hyalino–nubilosis 15–50 × 5–8.

Hab. In hypophyllo Valerianæ officinalis, & dioicæ circa *Conegliano,* aut. 1877–78.

84. **Cercospora Bolleana** (Thm.) Speg. *Septosporium Bolleanum* Thuemen, in Oest. bot. Zeitschr. 1877. p. 12; & Contrib. micolog. del Litorale p. 10.

Hab. Ad folia viva vel languida Fici Caricæ, vulgatissima *a Belluno,* Oct. 1878.

85. **Cercospora Mercurialis** Pass. in Rabh. F. Eur.

Maculis argenteo–albidis, rotundis; cæspitibus hypophyllis gregariis centrum macularum sæpius occupantibus; hyphis dilute fuligineis, continuis, contortis, nodulosis, brevibus, 20–40 ≈ 5–6; conidiis cylindraceo–bacillaribus, inferne attenuatis, atque acutiuscule rotundatis, antice crassiusculis et obtusis, 2–7–septatis, crasse tunicatis, hyalinis, 40–70 ≈ 4–6, rectis vel curvulis.

Hab. Ad folia viva vel languida Mercurialis perennis in collibus *di Conegliano*, rarius, aut. 1877.

86. **Cladosporium æcidiicola** Thüm. Mycoth. Univ. n. 373.

Hab. In *Æcidio Euphorbiæ* parasitans ad folia Euphorbiæ palustris *a Conegliano,* Majo 1879, rarissime.

87. **Geotrichum candidum** Lk. Nees r. Esemb. Syst. d. Pilz. I. p. 29.

Hab. In ossibus putrescentibus *a Conegliano,* aut. 1876.

Obs. Conidia cylindracea utrinque truncata 5–10 ≈ 4 hyalina.

88. **Graphium aspergilloides** Speg. Stipites cylindracei, longiusculi, 150–200 ≈ 20–30, atro–fuliginei, compositi, apice ex hyphis undique divergentibus subgloboso–capitati; hyphæ fasciculatæ, fuligineæ, fertiles in apicem nodulosum, denticulatum desinentes; conidia e denticulis hypharum oriunda, elliptico–ovoidea vel oblongo–elliptica, 6–10 ≈ 3–4, dilute fuliginea.

Hab. In pagina inferiore foliorum putrescentium *Sorbi Torminalis a Conegliano,* vere 1878 & 1879, rarius.

89. **Isaria stilbiformis** Speg. Gregaria vel solitaria; stipites flavescentes, 3–7 mill. alti, compositi ex hyphis fasciculatis, subcontinuis, flavido–hyalinis, tenaciter coalitis, sursum apice divergentibus et capitulum albidum–tomentosulum subsphæroideum vel pyriforme efformantibus; apice hypharum perfecte hyalino, clavulato, vertice acutissimo atque sporidium cylindraceum utrinque acutiusculum, 8–11 ≈ 2–2½, hyalinum gerente.

Hab. Ad corpora putrescentia cujusdam minutæ spe-

ciei *Pentatomorum* in carpineto prope *Belluno,* Oct. 1878, rarissime.

90. **Isaria arachnophila** Ditm. Deutsch. Crypt. Flor. Heft 4. tabula 55.

Hab. Ad corpora emortua *Epeiræ tubulosæ, conicæ, Drassi atri* & *Mygales cæmentariæ, a Belluno,* Oct. 1878, sporadice non rarius.

91. **Isaria farinosa** Tul. Fuck. Symb. myc. p. 186.

Hab. Ad corpora emortua chrysalidum Lepidopterorum nocturnorum *a Conegliano* & *Belluno.* Vulgatissima aut. 1878.

92. **Arthrinium curvatum** Kze & Schm. Fuck. Symb. myc. p. 357. Speg. Decad. myc. It. n. 28.

Hab. Ad folia emortua subputrescentia Caricis paludosæ *a Coll' Albrigo* prope *Conegliano,* Martio 1879.

93. **Melanconium betulinum** Schm. & Kze. Fuck. Symb. myc. p. 190.

Hab. In ramis emortuis Betulæ albæ *a Belluno,* Oct. 1878.

Obs. Conidia ovata, crassiuscule tunicata, granuloso-farcta, fuliginea, 15–18 = 6–7½.

94. **Glœosporium** (Euglœosp.) **Venetum** Speg. Maculæ marginales, amorphæ, maximæ, vel centrales rotundæ parvulæ, mellcæ vel ochraceæ linea fusco-purpurascente cinctæ. Acervuli minuti, prominuli, gregarii vel solitarii, atri. Conidia elliptico-cylindracea, 7–8 = 2–2½, granulosa et guttulata, hyalina.

Hab. Ad folia viva vel languida Rubi Chamæmori *a Belluno* & *a Conegliano,* Aut. 1877-78.

95. **Æcidiolum minutellum** Speg. Acervuli primo subepidermici, minuti, 1/10–1/8 mill. diam., gregarii, dein erumpentes, læte aurantiaci. Conidia catenulata, elliptica, vel ovoidea, rarius, subsphærica, hyalina 3–4 = 1–2, sterigmatibus crassiusculis, 45–50 = 1–2½, subclavulatis, quandoque 1–2–septulatis suffulta.

Hab. In foliis Scorzoneræ hispanicæ socia *Puccinia Compositarum,* cujus videtur status microconidicus.

96. **Sporidesmium echinulatum** Speg. Acervuli superficiales, rotundi, atri, minuti, gregarii, quandoque plures confluentes; conidia elliptica, 30–32 ≈ 15–16, 3–septata, ad septa plus minusve constricta, septulo uno alterove longitudinali, ubique laxe et minute verruculosa fuligineo–olivacea, loculis quandoque duobus extimis pallidioribus, pedicellis hyalinis, 5–8 ≈ 2–3, suffultis.

Hab. Ad chartam putrem stercoratam in locis umbrosis prope *Conegliano,* aut. 1876-78.

97. **Hormococcus hysterioides** Speg. n. sp. Glomerulis ligno dealbato innatis, oblongo–hysteriiformibus, laxe gregariis atris, parallelis, long. 1–1½ mill., crass. ¼-⅓ mill.; sporophoris dense fasciculatis, filiformibus, ramulosis, septulatis, 40–50 × 2–3, fuscidulis, apice spermatia catenulata, cylindracea, utrinque truncata, 3–8 ≈ 2–2½, fuscidula gerentibus.

Hab. In sarmentis putridis Rubi fruticosi *a Conegliano,* Majo 1879.

98. **Myrothecium inundatum** Tode, Fckl. Symb. p. 364.

Hab. In Cortinariis putrescentibus *a Belluno,* Oct. 1879.

99. **Antromyces Copridis** Fres. Beitr. p. 37. t. IV. fig. 40-45.

Hab. In terra humosa pingui (ad chrysalides?) in castaneto prope *Conegliano,* aut. 1876.

100. **Pestalozzia longiseta** Speg. Acervuli punctiformes, lenticulari–subsphæroidei, primo tecti dein erumpentes, atri, 100–150 micrm. diam., macula rufa nigro–cincta insidentes. Conidia elliptico–fusoidea, utrinque acuminata, 20 ≈ 8, 4–septata, ad septa non vel vix constricta, loculis tribus internis fuligineo–atris, quandoque 2 superioribus intensius coloratis, duobus autem extimis parvulis atque hyalinis, superiore tribus rostellis longissimis, 30–40 ≈ 1, ornato, inferiore pedicellum, 5–15 ≈ 1 gerentibus.

Hab. Ad folia viva vel languida Rubi cæsii *a Susegana,* Novemb. 1876.

101. **Pestalozzia funerea** Dmz. Sacc. Myc. Ven. Sp. p. 198. Sequentes formas vel varietates ipse legi:

a) *typica*. Conidia 4–septata, loculis tribus interioribus atro–olivaceis, 30–35 ≈ 7–8; rostell. 3, 15 ≈ 1; stip. 5–10 ≈ 1.

Hab. In foliis vivis vel emortuis Pteridis aquilinæ, Photiniæ serrulatæ, Eucalypti Steweniani, Rubi fruticosi, Evonymi chinensis, Thujæ & Cupressi etc.

b) *crassipes*. Conidia oblongo-fusoidea, 4–septata, 3 loculis internis atro–olivaceis, 20–30 ≈ 7; rost. 3, 10–12 ≈ 1; stip. 5–10 ≈ 3–3½.

Hab. In ramulis emortuis Loniceræ Caprifolii *a Conegliano,* aut. 1876.

c) *multiseta*. Conidia elliptico–elongata, utrinque acuta, 3 loculis internis atro–olivaceis, 25–30 ≈ 9–10; rost. 5–10, 7–10 ≈ 1; stip. 5–7 ≈ 1.

Hab. In foliis dejectis Iridis Germanicæ, *Conegliano,* vere 1877.

d) *discolor*. Conidia oblongo–fusoidea, 4–septata, 3 loculis internis olivaceis, loculo medio intensius colorato, 25–30 ≈ 7–8; rost. 4–5, 15–20 ≈ 1; stip. 8–10 ≈ 1.

Hab. In foliis emortuis Buxi sempervirentis, & Scrofulariæ caninæ *a Tarzo* prope *Conegliano,* aut. 1872.

02. **Pestalozzia strobilicola** Speg. Acervuli primo lenticulares tecti, dein conoidei, erumpentes, ¼-⅓ mill. diam., atri, gregarii, rarius sparsi; conidia elliptico-fusoidea, utrinque acuminata, 3—septata, 25 ≈ 9, loculis 2 internis atro—fuligineis, 2 extimis autem hyalinis, superiore 3—4 rostellis, 22—30 ≈ 1 ornato, inferiore pedicellum, 5—10 ≈ 1, gerente.

Hab. Ad strobilos putridos Pini sylvestris, *a Susegana,* 17 Novemb. 1876.

03. **Pestalozzia versicolor** Speg. Acervuli globoso-lenticulares, primo subepidermici, dein erumpentes, et circum circa ex conidiis exsilientibus matricem atro-inquinati; conidia fusoidea 4—septata, 30 ≈ 10, loculis 2 extimis hyalinis, 2 internis superioribus atro—olivaceis, tertio inferiore amœne flavo—virescente, 3–guttulatis; loculo supremo conoideo, 3—4 rostella,

25—30 = 1, gerente, infimo inflatulo quandoque 1—guttulato in pedicellum, 5—8 = 1, desinente.

Hab. Ad folia dejecta putrescentia Nerii Oleandri, *a Conegliano,* Novemb. 1876.

104. **P. monochæta** Dmz. Sacc. Myc. Spec. p. 198.

Hab. Ad folia dejecta putrescentia Quercuum, *a Conegliano,* aut. 1876—78.

***P. Saccardoi** Speg. Acervuli parenchymate immersi, punctiformes, densiuscule gregarii; conidia 4—septata, 20 = 5, loculis 3 internis atro—opacis; 2 extimis hyalinis; superiore acute conoideo, majusculo rostellum e basi curvato uncinato hyal. 10—15 = $1^1/_2$, gerente, inferiore in pedicellum, 30—40 = 2, desinente.

Hab. Ad folia dejecta putrescentia Quercus, *a Conegliano* & in Silva *Montello,* aut. 1876-77.

105. **Pestalozzia macrospora** Ces. Sacc. Fung. Ven. Series. V. p. 198.

Hab. In frondibus emortuis Pteridis aquilinæ *a Conegliano,* aut. 1877-78, vulgata.

***P. macropoda** Speg. Acervuli epiphylli primo tecti dein erumpentes, conoidei, minutissimi, cinereo—fuliginei; conidia fusiformia, 35—38 = 7, 4—septata, ad septa leniter constricta, loculis 3 interioribus olivaceis, 2 extimis hyalinis, superiore rostellum unicum obliquum vel rectum, 15 = 1—$1^1/_2$, apice abrupte ac brevissime recurvato—uncinatum gerente, inferiore in pedicellum, 45—50 = 1, desinente.

Hab. In frondibus emortuis Pteridis aquilinæ *a Conegliano,* vere 1877, rarissime.

106. **Pestalozza lignicola** Cooke; an *P. truncatula* Fuck.?

Hab. In ramulis emortuis Rosæ caninæ, & in trabe abietina putrescente *a Conegliano,* aut. 1877-78.

Obs. Conidia 3—septata, loculis 2 interioribus primo flavidis, dein atro—olivaceis, 2 extimis hyalinis, 12—18 = 4—7, loculo supremo 2 rostellis, 20—25 = 1 ornato, inferiore in pedicellum, 20—30 = 1, desinente.

107. **Dinemasporium rhodophæum** Sp. Cupulæ parenchymate immersæ, disco superficiem non vel vix (hu-

miditate) excedente, numquam tectæ, laxe gregariæ, subparallelæ, macula nulla vel subnulla insidentes, discoideæ sed ob pressionem nervorum folii sub—quadratæ, minutæ $^1/_4$—$^1/_3$ mill. diam. Excipuli contextus parenchymaticus, fuligineus, margine aterrimo, nitente, atque pilis brevissimis, 20–40 = 5, concoloribus, unicellularibus, laxe ornato; disco amœne roseo vel roseo-aurantiaco. Spermatia elliptica, recta, biguttulata, 9 = 3, hyalina, utrinque setulâ rigidulâ subæquilongâ, rectâ aucta.

Hab. In foliis emortuis diu intemperiis expositis Phragmitis communis in insula dicta *Lido* apud Venetias, Martio 1879.

108. **Neottiospora coprophila** Speg. Perithecia minutissima, 80-70, globosa, astoma(?), irregulariter dehiscentia, contextu densiusculo, parenchymatico—indistincto; spermatia oblongo—fusoidea, 25 = 3, utrinque acutiuscula, nubiloso—granuloso—farcta, hyalina sessilia, apice tribus rostellis exilissimis, 20 = 1, ornata.

Hab. In fimo ovino vetusto in pratis circa *Conegliano,* socia *Delitschia Winteri,* Decemb. 1878.

109. **Phoma** (Diaporthe) **Volkameriæ** Speg. Peritheciis astomis(?) epidermide nigrificata, atque tumefacta, nitente, tectis, globoso—lenticularibus, 150-200; spermatiis hyalinis, ellipticis, utrinque attenuatis obtusiusculis, non vel 1—2—guttulatis, 7—11 = 3—5.

Hab. In ramulis emortuis putrescentibus Volkameriæ fragrantis, *a Conegliano,* Aug. 1876.

110. **Phoma Weigeliæ** Speg. Peritheciis lenticularibus 110–120, diam. sub epidermide nidulantibus, carbonaceis, ostiolo papillato–conoideo acutiusculo donatis. Spermatiis minutis, hyalino–chlorinis, 3–5 = 1–2 ellipticis vel ovoideis, obtusis, non guttulatis.

Hab. In ramulis emortuis Weigeliæ roseæ a *Conegliano,* aut. 1876.

111. **Phoma** (Diaporthe?) **Rosmarini** Speg. Peritheciis superficialibus, ligno circumnigrificato decorticato adnatis, lenticulari–hemisphæricis, atris rugulosis, 2–3 stromatice aggregatis, 200–250 micr. diam. carbona-

ceis. Spermatiis ovoideo–fusoideis, inferne acutiusculis, antice obtusis, hyalinis, granuloso–farctis, minute 2–guttulatis, 6–10 = 2–3.

Hab. In ramulis emortuis Rosmarini officinalis a *Conegliano,* Dec. 1876.

112. **Phoma** (Diaporthe) **Lagerstrœmiæ** Speg. Peritheciis ligno stromatice nigrificato immersis, 110–150 micr. diam., ostiolo pertuso, papillato donatis. Spermatiis ovoideo–ellipticis, utrinque obtusiusculis, hyalinis, 2–guttulatis, 7–10 = 2–3.

Hab. In ramulis emortuis Lagerstrœmiæ indicæ *a Conegliano,* Dec. 1876.

113. **Phoma** (Diaporthe) **Anaxæa** Speg. Stromate ramulos corticatos vel decorticatos late ambiente atque lignum atro–nitens efficiente. Peritheciis ligno immersis, atris, 150–180 micr. diam.; spermatiis minutissimis hyalino–chlorinis, subellipticis, utrinque obtusiusculis, 2–3 = 1–1½.

Hab. In ramulis emortuis Onobrychis sativæ in alveo *Plavis* (Anaxi), Aug. 1876.

114. **Phoma** (Diaporthe) **Nerii** Speg. Stromate late ambiente, lignum extus nigrificante. Peritheciis minutis ligno corticato vel decorticato immersis, atris. Spermatiis ellipticis vel oblongo–ellipticis, 6–9 = 3–4, 2–guttulatis, hyalinis.

Hab. In ramulis emortuis Nerii Oleandri a *Conegliano,* vere 1878.

115. **Phoma endogena** Speg. Peritheciis in membrana cotyledones obvolvente nidulantibus, griseis, quandoque subtomentellis, lenticulari–sphæroideis, tenue–membranaceis, contextu parenchymatico–celluloso, 150–200. Spermatiis hyalinis, granuloso–nubiloso–farctis, ovoideis vel ellipticis, 6–8 = 2–3, eguttulatis.

Hab. In seminibus maturis Castaneæ vescæ cortice integro vestitis, adhuc vegetis (socia quandoque *Mycogone cervina* Lk, teste ipso Saccardo) *a Conegliano,* aut. 1877.

116. **Phoma montana** Speg. Peritheciis subepidermicis, erumpentibus, membranaceo–carbonaceis, 110–150,

sublenticularibus. Spermatiis fusoideis utrinque acuminatis, nubiloso-granulosis, non vel 2-guttulatis, 6–10 ≈ 1½–2.

Hab. In ramis emortuis Saturejæ montanæ *a Susegana,* Martio 1877.

117. **Phyllosticta Cratægi** Speg. Maculis subrotundis, griseis; peritheciis parenchymate innatis, minutissimis, 60–80 diam., contextu laxe parenchymatico-atro; spermatiis hyalinis, minutissimis, ellipticis vel ellipsoideis, biguttulatis, 2½–3 ≈ 1–1½.

Hab. In foliis Cratægi Oxyacanthæ *a Belluno,* Oct. 1878, rarissime.

118. **Phyllosticta prunicola** Sacc. Michel. 156.

Hab. In foliis Pruni domesticæ *a Belluno,* Oct. 1878.

119. **Phyllosticta aquatica** Speg. Peritheciis subepidermicis, lenticularibus, 100–110, ostiolo latiusculo, 10, mcr. d. pertuso; contextu laxissime et tenuissime parenchymatico-membranaceo, olivaceo. Spermatiis ellipticis utrinque obtusiusculis, quandoque inæquilateralibus, hyalinis, 4–5 ≈ 2.

Hab. Ad folia putrida Lemnæ minoris prope *Conegliano,* aut. 1878.

120. **Ascochyta aquatica** Speg. Peritheciis minutis, 90–100, subepidermicis, contextu parenchymatico, densiusculo, olivaceo, ostiolo parvulo pertuso. Spermatiis oblongo-ellipticis, medio 1-septatis, ad septum non vel vix constrictis, dilute chlorinis, 7–9 ≈ 2–3.

Hab. Ad folia putrida Lemnæ minoris prope *Conegliano,* æst. 1879.

121. **Ascochyta chlorospora** Speg. Peritheciis subepidermicis maculis griseis, rotundis innatis, lenticularibus, minutis, 80–90, ostiolo latiusculo pertusis; spermatiis ellipticis, medio 1-septato-constrictis, dilute chlorinis, 10–12 ≈ 3½.

Hab. In foliis languidis Pruni domesticæ, *a Belluno,* Oct. 1878.

122. **Hendersonia charticola** Speg. Peritheciis innatis, lenticularibus vel subglobosis, primo tectis dein erum-

pentibus, 120—150, contextu membranaceo—parenchymatico denso, fuligineo, subopaco; stylosporis oblongo—ellipticis, quandoque clavulatis, 4—septatis, ad septa leniter constrictis, septo longitudinali quandoque donatis, 40 = 15—16, primo fumose hyalinis, dein subfuscescentibus.

Hab. Ad chartam stercoratam putrescentem *a Conegliano*, in locis umbrosis aut. 1878.

123. **Hendersonia martialis** Speg. Peritheciis lenticulari—conoideis, minutis, 120—150 micr., sparsis, subepidermicis, ostiolo papilliformi vix exerto, contextu parenchymatico—celluloso, fusco—olivaceo; conidiis oblongo—ellipticis utrinque obtusiusculis, 2—3septatis, ad septa plus minusve constrictis, pallide olivaceis, 12—18 = 5—6.

Hab. Ad caules emortuos Staticis Limonii in *Campo Martis,* Venetiis, 25 Mart. 1879.

124. **Diplodia Macluræ** Speg. Peritheciis nunc sparsis, nunc in acervulos aggregatis, primo epidermide tectis, dein erumpentibus atque ab ea cinctis; stylosporis ovoideis, 23—25 = 8—11, in sterigmatibus parvulis, 10 = 3, acrogenis, primo continuis, guttulatis, luteolis, dein medio 1—septatis non vel vix constrictis, obscure fuligineis.

Hab. In ramulis emortuis Macluræ aurantiacæ *a Susegana,* Sept. 1876.

125. **Diplodia Iulibrissin** Speg. Peritheciis primo sub epidermide nidulantibus, dein erumpentibus, nigricantibus, subglobosis, papillatis. Stylosporis, 20—25 = 10—12, dense fuligineis, medio 1—septato—constrictis.

Hab. In ramulis emortuis Albizziæ Iulibrissin *a Conegliano,* aut. 1876—78.

126. **Diplodia Ailanthina** Speg. Peritheciis subglobosis, olivaceo—fuscis, papillatis, 200—250, subepidermicis, vel ligno decorticato parallele dispositis, ostiolo perforatis. Stylosporis fuligineis, 20 = 7, 1—septatis ad septum non vel vix constrictis.

Hab. In ramulis emortuis Ailanthi glandulosæ, *a Conegliano,* aut. 1876–78.

127. **Diplodia Sophoræ** Speg. Peritheciis subepidermicis globosis, nigricantibus, ostiolo minuto pertusis, rugulosis. Stylosporis oblongo–ellipticis vel ovoideis, 1–septato–constrictis, fuligineis, 20–22 ≈ 10–12.

Hab. In ramulis emortuis Sophoræ japonicæ *a Conegliano* et *Susegana,* Oct. 1876–77.

128. **Diplodia Photiniæ** Speg. Peritheciis hemisphæricis, subepidermicis, carbonaceis. Stylosporis ochraceo–fuligineis non vel 1–septatis, crassiuscule et obscurius tunicatis, quandoque 1–2guttulatis, 22 ≈ 12–14, ad septum sæpius non constrictis.

Hab. In foliis dejectis, putrescentibus Photiniæ serrulatæ, *a Conegliano,* Oct. 1877.

129. **Diplodia Althææ** Speg. Peritheciis superficialibus, hemisphærico–conoideis, ostiolo papillato acutiusculo donatis, 250–300. Stylosporis fuligineis, ellipticis, utrinque obtusis, 1–septatis, non vel vix constrictis, 16–20 ≈ 8–9.

Hab. In caulibus emortuis putrescentibus Althææ roseæ *a Conegliano,* Oct. 1877.

130. **Diplodia Lagerstrœmiæ** Speg. Peritheciis atris, papillulatis, sublenticularibus, erumpentibus, 200–250, ostiolo late hiante pertusis; stylosporis opace olivaceo–fuligineis, 1–septatis ad septum non vel vix constrictis, utrinque obtusiusculis, 18–20 ≈ 8–10.

Hab. In ramulis emortuis dejectis Lagerstrœmiæ indicæ, *a Conegliano,* Aug. 1878.

131. **Diplodia Calycanthi** (Schw?) Speg. *Sphæria Calycanthi* Schw?) Peritheciis subepidermicis, erumpentibus, atris, lenticularibus, rugulosis, 200–300. Stylosporis primo luteolis dein olivaceo–fuscis, 1–septato–constrictis, ovoideis vel ellipticis, 19–22 ≈ 9–10.

Hab. In ramulis emortuis Calycanthi floridi *a Conegliano,* æst. 1877.

132. **Diplodia Taxi** (Sow.) Fuck. Symb. myc. p. 394.

Hab. Ad folia emortua Taxi baccatæ *a Susegana,* aut. 1876–78.

133. **Diplodia Æsculi** Lév — Fuck. Symb. myc. p. 394.

Hab. Ad ramulos emortuos Æsculi Hippocastani *a Conegliano,* vere 1879.

134. **Diplodia Catalpæ** Speg. Peritheciis subepidermicis, tectis, dein erumpentibus, globosis, atris, papillulatis. Stylosporis oblongo—ellipsoideis, medio 1—septatis, non constrictis, fuligineo—olivaceis, 20—22 = 8—11.

Hab. In ramulis emortuis Bignoniæ Catalpæ *a Conegliano,* aut. 1877.

135. **Diplodia Nerii** Speg. Peritheciis lenticularibus, subepidermicis, dein erumpentibus, atris, 200—250. Stylosporis ovoideis vel ellipticis, 1—septato—constrictis, olivaceo—fuligineis, 18—22 = 8—10.

Hab. In ramulis et petiolis foliorum Nerii Oleandri, *a Conegliano,* aut. 1876.

136. **Diplodia Oleandri** Speg. Peritheciis laxe gregariis, circinatim dispositis (an semper?), globosis, tectis, prominulis, ostiolo papillato exerto donatis, 200—300. Stylosporis ellipticis vel ovoideis, fuligineo—olivaceis, subopacis, 25—30 = 10—14, continuis, sterigmatibus hyalinis, 8—10 = 5—6, suffultis.

Hab. Ad folia dejecta Nerii Oleandri *a Conegliano,* vere 1879.

137. **Septoria Ornithogali** Pass. in Thuem. Mycoth. Univ. n. 496. *S. Ornithogali* Oudm. Aanw. V. de Flr. Myc. v. Nederland n. 6 pag. 6. *S. Ornithogali* Speg. Decades Myc. Ital. n. 20.

Hab. In apicibus foliorum Ornithogali umbellati, *a Conegliano,* vere 1879.

138. **Septoria littoralis** Speg. Peritheciis 5-8 gregariis primo tectis dein erumpentibus, subsuperficialibus, globulosis, atris, ostiolo papillato, sicco umbilicato, donatis; contextu membranaceo, densissime parenchymatico, fuligineo—atro. Spermatiis cylindraceis, rectis vel curvulis apice rotundatis, basi subtruncatis, 50—65 = $3^1/_2$—4, 3—septatis, pluri—guttulatis, hyalinis in sterigmatibus, ampulluliformibus (ut hyphæ *Chalaræ Ampullulæ*), guttulatis, 10 = 1—5, hyalinis.

Hab. In pagina interna vaginarum Phragmitis

communis in insula *Lido* dicta, apud Venetias, Martio 1879.

39. **Sacidium Venetum** Speg. Peritheciis sparsis, superficialibus subglobosis, 200—250 micr., atro—cæruleseentibus, nitidulis, astomis, contextu atro—fuligineo, punctulato; spermatiis ellipticis, crassiuscule tunicatis utrinque rotundatis, 12—15 = 8—9, chlorino—flavidis, eguttulatis.

Hab. Ad folia viva Salicis purpureæ, *a Conegliano,* aut. 1877, rarissime.

Obs. Contextu peritheciorum cum *S. Spegazziniano* perfecte congruit. Ego iterum *S. Spegazzinianum* legi in caulibus emortuis Urticæ dioicæ *a Conegliano,* æst. 1877.

FUNGI ITALICI autographice delineati a prof. P. A. Saccardo. Patavii 1878-79. Fasciculi IX.-XVI. sistentes tab. 321-640.

COMMENTARIUM

(Cfr. «Michelia» p. 73 et 326).

321. Amphisphæria ericeti S. & S. Michelia 374.
322. Leptosphæria Diana S. & S. Michelia 398.
323. L. pyrenopezizoides S. & S. Michelia 394.
324. L. helvetica S. & S. Michelia 399.
325. L. sicula S. & Beltr. Michelia 397.
326. L. apogon S. & S. Michelia 398.
327. L. Cumana S. & S. Michelia 394.
328. L. massarioides S. & S. Michelia 394.
329. Pleospora straminis S. & S. Michelia 407.
330. P. Gilletiana S. Michelia 357.
331. P. oligomera S. & S. Michelia 408.
332. P. pallida S. & S. Michelia 232.
333. Rosellinia chordicola S. Michelia 372.
334. R. rhombispora S. Michelia 372.
335. R. protuberans Karst. - Michelia 371.
336. Bertia italica S. & S. Michelia 404.
337. Melanomma dubiosum S. Michelia 403.
338. M. medium S. & S. Michelia 402.
339. M. ceratophorum S. & S. Michelia 403.
340. M. sylvanum S. & S. Michelia 403.
341. M. acutum S. & S. Michelia 402.
342. Zignoella dolichospora S. Michelia 401.
343. Z. nematasca S. & S. Michelia 401.
344. Ceratostomella vestita S. Michelia 370.
345. C. cirrhosa (Pers.) *C. lejocarpa S. (errore *lejostoma*) Michelia 370.
346. Sphærulina myriadea (DC.) *S. fraxinea S. & S. Michelia 399.
347. Sphærulina (Pringsheimia) intermixta (B. & Br.) S. Michelia 400.

348. Venturia Potentillæ (Sow.) Sacc. Myc. Ven. n. 694.
349. V. chlorospora (Ces.) Karst. — Michelia 382.
350. V. chlorospora (Ces.) *V. microcarpa S. Cfr. Fungi Ven. Ser. VI. 33. (in *Quercu*).
351. V. Montellica S. Fungi Ven. Ser. IV. 2.
352. V. nobilis S. Fungi Ven. Ser. V. 114.
353. V. alpina S. Fungi Ven. Ser. IV. 3.
354. Physalospora minutula S. & S. Michelia 369.
355. Læstadia Veneta S. & S. Michelia 351.
356. L. Veneta S. & S. *L. cylindrasca S. & S. Michelia 369.
357. Lophidium thyridioides S. & S. Michelia 412.
358. Schizostoma querceti S. & S. Michelia 410.
359. Lophiotrema crenatum (Pers.) S. Mich. 338 & 411.
360. L. massarioides S. Michelia 412.
361. L. Winterii S. Michelia 358.
362. Leptosphæria massariella S. & S. Michelia 393.
363. L. Euphorbiæ Niessl — Michelia 397.
364. L. anthophila S. & S. Michelia 396.
365. L. hiemalis S. & S. Michelia 395.
366. L. anarithmoides S. & S. Michelia 395.
367. Didymosphæria (Didymella) lophospora S. & S. Mich. 376.
368. D. (Didymella) cladophila Niessl — Michelia 246.
369. D. (Didymella) culmigena S. Michelia 377.
370. D. (Didymella) effusa Niessl — Michelia 246.
371. D. (Didymella) exigua Niessl — Michelia 376.
372. D. diplospora (Cke) S. Michelia 375.
373. Anthostomella Tomicum (Lév.) S. Michelia 374.
374. A. phæosticta (Bk) S. Michelia 374.
375. Gnomonia erythrostoma (Pers.) Awd. — Michelia 382.
376. G. tetraspora Wint. — Michelia 382.
377. Sphærella nemorosa S. & S. Michelia 378.
378. S. umbrosa S. Michelia 378.
379. S. Ariadna S. *S. Tormentillæ S. Michelia 379.
380. S. verna S. & S. Michelia 379.
381. S. Fagi Awd. — Michelia 378.
382. S. sylvatica S. & S. Michelia 380.

383. S. Maydis Pass. — Michelia 378.
384. S. Zeæ S. Michelia 377.
385. S. topographica S. & S. Michelia 380.
386. S. elatior S. & S. Michelia 379.
387. S. collina S. & S. Michelia 379.
388. S. minor Kart. — Michelia 381.
389. Lasiosphæria pygmæa S. & S. Michelia 406.
390. L. hispidula S. & S. Michelia 406.
391. Sordaria fermenti (Fckl.) Wint. *S. phyllogena S. Michelia 373.
392. S. lanuginosa (Pr.) S. *S. culmigena S. & S. Michelia 373.
393. Rosellinia Desmazierii (B. & Br.) S. Michelia 371.
394. Graphium Desmazierii S. Michelia 372.
395. Enchnosphæria Caput-Medusæ S. & S. Mich. 405.
396. Rhaphidophora ulnospora (Cke) S. Michelia 243.
397. Cookella microscopica S. Michelia 407.
398. Linospora elata S. & S. Michelia 405.
399. Leptosphæria helminthospora Ces. — Michelia 396.
400. L. anarithma (B. & Br.?) S. Michelia 395.
401. Valsaria Saccardiana Speg. Michelia 393.
402. Fenestella vestita (Fr.) S. Michelia 50.
403. Valsa (Euvalsa) punica S. & S. Michelia 367.
403A. Cytispora punica S. & S. Michelia 368.
404. Phyllachora sylvatica S. & S. Michelia 410.
405. Cucurbitaria Rosæ Wint. — Michelia 408.
406. Pleospora Bardanæ Niessl. f. Althææ. Cfr. Mich. 49.
407. Lasiobotrys Loniceræ Kze — Michelia 366.
408. Massaria penicillata S. Michelia 404.
409. M. marginata Fckl. (f. *Berberidis*) Mich. 446.
410. M. epileuca B. & C. — Michelia 446.
411. M. loricata Tul. Cfr. Michelia 40 & 354.
412. M. alpina S. & S. Michelia 410.
413. M. inquinans (Tode) Fr., Sacc. Mycol. Ven. p. 109.
414. M. inquinans *M. callispora S. Michelia 40.
415. M. Ulmi Fckl. Sacc., Mycol. Ven. p. 110.
416. M. siparia B. et Br. — Michelia 446.
417. M. Carpini Fckl., Sacc. Mycol. Ven. p. 110.
418. M. macrospora (Dmz.) S. Michelia 247.

419. **M. Æsculi** Tul. — Michelia 40.
420. **M. Curreyi** Tul. — Erb. crittog. ital. Ser. II. n. 589.
421. **M. bufonia** B. et Br. Michelia 247.
422. **Venturia Alchemillæ** (Grev.) B. et Br. Fung. Ven. Ser. V. 174.
423. **V. Spegazziniana** Cke — Michelia 440.
424. **Calosphæria ciliatula** (Fr.) Karst. M. F. II. 156. ***Oxyacanthæ.** A typo differt ascis racemose aggregatis, longeque paraphysatis.
Hab. in ramis Oxyacanthæ in sylva *Montello* aut. 1878.
425. **Cryptosporella aurea** (Fckl.) S. Michelia 369.
426. **Valsa** (Leucost.) **nivea** Fr., Sacc. Mycol. Ven. p. 134.
427. **V.** (Eutypella) **Sorbi** (Schm.) Fr. — Michelia 368.
428. **Leptosphaeria vagabunda** S. ***L. sarmenti** S. A typo recedit sporidiis initio hyalino—appendiculatis.
Hab. in sarmentis Rubi *a Selva*, aut. 78.
429. **L. Galiorum** S. (vix Rob.), Mycol. Ven. p. 104.
430. **Botryosphaeria Bérengeriana** DNtrs f. *typica*. Cfr. Sacc. F. V. Ser. IV. 4. f. cæspitosa.
431. **B. Bérengeriana *B. acutior** S. Perithecia libera, subaggregata, ostiolo acuto; cetera typi.
Hab. In ramis Philadelphi *a Selva*, aut. 78.
432. **B. Bérengeriana *B. gregaria** S. (Physalospora?) Cfr. Sacc. l. c. (f. *dispersa*).
433. **B. Bérengeriana *B. melanommoides** S. Perithecia libera, gregaria, ostiolo acutiusculo; cetera typi.
Hab. In ligno nudo populino *a Vittorio*, aut. 1875.
434. **B. advena** C. & DNtrs. — Michelia 42.
435. **Didymosphaeria Fuckeliana** (Pass.) S. Mich. 440.
435*A*. **Discosia Passerinii** S. Perithecia disciformia, tandem concava, nigra, minuta; stylosporæ falcatæ, 20 × 4, 4—loculares, loculi 2 inter. olivacei, extimi ciliaque, 20 × $^1/_2$, hyalina.
Hab. In caule Epilobii Dodonæi *a Vigheffio*, socia Didym. Fuckeliana, aut. 1871 (*Passerini*).
436. **Gnomonia Epilobii** (Fckl.) Awd. — Michelia 439.
437. **Bombardia fasciculata** Fr., S. Mycol. Ven. p. 114.
438. **Lasiosphaeria sulphurella** S. Michelia 440.

439. Bertia lichenicola DNtrs Erb. critt. ital. n. 1190 (1864) *Rhagadostoma corrugata* Körb, (1865).
440. B. moriformis DNtrs, Erb. critt. ital. ser. II. n. 291.
441. Aglaospora profusa (Fr.) DNtrs, Sacc. Mycol. Ven. 125.
442. Amphisphaeria umbrina (Fr.) DNtrs, Sacc. Mycol. Ven. 111.
443. A. pseudo-umbrina S. Mycol. Ven. 112.
444. A. culmicola S. Mycol. Ven. 113.
445. A. fœda DNtrs, Sacc. Mycol. Ven. 112.
446. A. papillata (Schum.) DNtrs, Sacc. Mycol. Ven. 112.
447. A. conica (Lév.) C. DNtrs, Erb. critt. ital. Ser. II. n. 441.
448. Pseudovalsa umbonata (Tul.) S. Fungi Ven. Ser. IV. 20.
449. P. macrosperma (Tul.) S. Fungi Ven. Ser. IV. 20.
450. P. hapalocystis (B. & Br.) S. *P. minor S. Mich. 44.
451. Melanconis Alni Tul., Sacc. Fungi Ven. IV. 20.
452. M. spodiæa Tul., Sacc. Fungi Ven. IV. 20.
453. M. chrysostroma (Fr.) Tul., Sacc. Fungi Ven. IV. 20.
454. Fenestella Princeps Tul. *F. subgregaria S. F. Ven. Ser. IV. 14 (f. *salicina*).
455. F. Princeps Tul. *Oxyacanthae Sacc. F. Ven. Ser. IV. 14.
456. T. Princeps Tul. *T. tetratrupha (B. et Br.) Sacc. F. Ven. Ser. III. 13.
457. Diatrypella quercina (P.) Nke, Sacc. Mycol. Ven. p. 151.
458. D. verruciformis (Ehrh.) Nke, Sacc. Mycol. Ven. p. 151.
459. D. verruciformis *D. Spegazziniana S. Mich. 23.
460. D. favacea (Fr.) DNtrs, Sacc. Mycol. Ven. p. 151.
561. D. aspera (Fr.) Nke Pyr. Germ. p. 74.
Hab. In ramis f a g i n e i s in s. *Cansiglio,* aut. 1875.
462. Diatrype disciformis (Hoffm.) Fr., Sacc. Mycol. Ven. p. 150.
463. D. bullata (Hoffm.) Fr., Sacc. Mycol. Ven. p. 150.
464. D. Stigma (Hoffm.) Fr., Sacc. Mycol. Ven. p. 150.
465. Fracchiæa heterogenea S. Mycol. Ven. p. 115.

566. Melanomma Catillus S. Mycol. Ven. p. 114.
467. Cryptospora suffusa (Fr.) Tul., Sacc. Mycol. Ven. p, 126.
468. C. corylina (Tul.) Fckl., Sacc. Mycol. Ven. 127.
469. Cryptosporella hypodermia (Fr.) S. Michelia 369.
470. Enchnoa infernalis (Kze) Fckl., Sacc. Mycol. Ven. p, 210.
471. Eutypa flavo-virens (Hoffm.) Tul., Sacc. F. Ven. Ser. IV. 16.
472. E. velutina (Wallr.) S. Fungi Ven. Ser. IV. 16.
473. Eutypella Ailanthi S. Mycol. Ven. p. 130.
474. Calosphæria tumidula S. F. Ven. Ser. IV. 20.
475. C. affinis Nke, S. F. Ven. Ser. IV. 20.
476. C. Princeps Tul., S. Mycol. Ven. p. 149.
477. C. dryina (Curr.) Nke. S. F. Ven. Ser. IV. 21.
478. C. minima Tul., S. Mycol. Ven. p. 149.
479. C. tædiosa S. Michelia 368.
480. Cœlosphæria Fuckelii (Nke) S. Mycol. Ven. 115.
481. Leptosphæria riparia S. Michelia 39.
482. L. Vincæ (Fr.) S. Michelia 37.
483. L. Typhæ Karst., S. F. Ven. Ser. II. 321.
484. L. Typharum (Awd.) Karst., S. Mycol. Ven. 106.
485. L. Coniothyrium (Fckl.) Sacc. Fungi Ven. Ser. II. 317 (n. 1).
486. L. Coniothyrium (Fckl.) S. *Kerriæ S. Fungi Ven. Ser. II. 317 (n. 3).
487. L. vagabunda S. Fungi Ven. Ser. II. 318. *Viburni Lantanae.
488. L. vagabunda S. *Citri Limonii.
489. L. vagabunda S. *L. divergens S. A typo recedit sporidiis septulo uno alterove longitudinali divisis. Cfr. S. l. c. p. 318 (n. 23 f. *Kerriæ* et in *Obs.*).
490. L. ogilviensis (B. & Br.) C. DNtrs. S. Fungi Ven. Ser. V. 176.
491. L. petiolicola S. Mycol. Ven. p. 105.
592. L. Medicaginis S. Mycol. Ven. p. 105.
493. L. acuta (M. et N.) Karst., S. Mycol. Ven. p. 105.
394. L. culmicola (Fr.) Karst. *L. minor Sacc. Fungi Ven. Ser. II. 322.

495. L. culmicola (Fr.) Karst. *L. major S. l. c.
496. L. culmifraga (Fr.) C. DNtrs, Sacc. Fungi Ven. Ser. II. 321.
497. L. eustoma (Fckl.) S. Mycol. Ven. p. 210.
498. L. dumetorum Niessl, S. Fungi Ven. Ser. II. 316.
499. L. Doliolum (Pers.) C. DNtrs, S. Fungi Ven. Ser. II. 314.
500. L. conoidea (DNtrs) S. Fungi Ven. Ser. II. 314.
501. L. Parietariae S. Mycol. Ven. p. 106.
502. L. luctuosa Niessl, S. Fungi Ven. Ser. II. 321.
503. L. herpotrichoides DNtrs, S. Fungi Ven. Ser. II. 322.
504. L. donacina S. Mycol. Ven. p. 107.
505. L. Niessleana Rabh., S. Fungi Ven. Ser. II. 315.
506. L. agnita (Dmz.) C. DNtrs, S. Fungi Ven. Ser. II. 316.
507. L. Hederæ (Sow?) S. Fungi Ven. Ser. II. 313.
508. L. Rusci (Wallr.) S. Mycoth. Ven. n. 680.
509. L. crastophila S. Fungi Ven. Ser. II. 321.
510. L. Ophiopogonis S. Fungi Ven. Ser. II. 321.
511. L. maculans (Dmz.) C. DNtrs, nec Sow., S. Fungi Ven. Ser. II. 316.
512. L. Lathyri S. Mycol. Ven. p. 106.
513. L. anceps S. Michelia 120.
514. L. oreophila S. Michelia 120.
515. L. graminum S. Michelia 119.
516. L. helicicola (Dmz.) Niessl, S. Fungi Ven. Ser. II. 313.
517. L. galiicola S. Mycol. Ven. p. 104.
518. L. galiicola S. L. brachyspora S. l. c.
519. L. papulosa (DR. & M.) S. Fungi Ven. Ser. II. 313.
520. L. suffulta (Nees) Niessl, S. Mycoth. Ven. n. 923.
521. L. modesta (Dmz.) Awd. *L. Cibostii C. DNtrs.

Obs. Leptosphæria modesta Michel. 37, quam ibid. p. 343 a typica *modesta* (*L. setosa* Niessl, *L. Passerinii* S.) differre dixi ob sporidia exappendiculata, et sub nom. *L. Cibostii* admisi, iterum iterumque observata, mera *L. modestæ* varietas nunc mihi videtur, nam ostiolum setulosum sporidiaque, licet parcius, appendiculata, etiam in hac occurrunt; asci tamen minores sunt nempe 70—80 = 9—11 (nec 95 = 14—15), æque ac sporidia quæ 25—27 = 4 (nec 35 = 5—5½).

Pro hac varietate nomen *L. Cibostii adhiberi poterit. *Hab.* in caule Cynanchi *a Conegliano* (Speg.).

522. Cucurbitaria pithyophila (Schm.) DNtrs Schema Sfer. p. 214.
523. C. Coronillæ (Fr.) S. Fungi Ven. Ser. V. 178.
524. C. protracta (Nees) Fckl., S. Mycol. Ven. 119.
525. C. salicina Fckl., S. Mycol. Ven. 120.
526. C. Gleditschiæ (Schw.) C. DNtrs, S. Mycol. Ven. 122.
528. C. Ribis Niessl Beitr. 48, S. Mycol. Ven. 210, nec Tode.
529. C. elongata (Fr.) Grev., S. Mycol. Ven. 120.
530. C. Castaneæ S. Mycol. Ven. 120.
521. C. Castaneæ S. *C. moricola S. A typo differt præsertim sporidiis paulo majoribus, nempe 20—25 = 8 nec 15—16 = 7—8 — In cortice Mori albæ, Martio, 1876 (Magnaguti).
532. C. Spartii (Nees) C. DNtrs Schema Sfer. it. 214.
533. C. Rhamni (Nees) Fr., S. Mycol. Ven. 121.
535. C. Carpini S. Mycol. Ven. 119.
535. C. Berberidis (Pers.) Gray, S. Mycol. Ven. 121.
536. C. rufo-fusca (Fr.) C. DNtrs Schema Sf. ital. 213.
537. Otthia Cratægi Fckl., Michelia 248.
538. O. Quercus Fckl., S. Mycol. Ven. 118 (*Cucurbitaria*)
539. Sillia ferruginea (Pers.) Karst., S. Mycol. Ven. 147 (*Melogramma*).
540. Melogramma vagans DNtrs, S. Mycol. Ven. 147.
541. M. spiniferum (Wallr.) DNtrs., S. Mycol. Ven. 147.
542. Melomastia Friesii Nke, S. Mycol. Ven. 210 (*Sphæria mastoidea* Fr.).
543. Læstadia carpinea (Fr.) S. Mycol. Ven. 93 (*Sphærella*).
544. L. Cookeana (Awd.) S. Fungi Ven. Ser. V. 175.
545. Pleospora lanuginosa S. Michelia 121.
546. P. polyphragmia S. Michelia 120.
547. P. herbarum Rabh. em. Niessl, S. Myc. Ven. 102. p. p.
548. P. infectoria Fckl., S. Mycoth. Ven. n. 775.
549. P. vulgaris Niessl., S. Michel. 48.
550. P. calvescens (Fr.) Tul. S. Mycol. Ven. 103.

551. **P. media** Niessl, S. Michelia 48.
552. **P. phragmospora** (DR. et M.) Ces., S. Michel. 48.
553. **P. hispida** Niessl N. und k. Pyr. 33.
554. **P. comata** Niessl, S. Fungi Ven. Ser. II. 309.
555. **P. comata** Niessl *macrochæta S. Fungi Ven. Ser. II. 309.
556. **Lasiosphæria hirsuta** (Fr.) C. DNtrs, S. Mycol. Ven. 210.
557. **L. hispida** (Tode) Fckl., S. Myc. Ven. n. 683.
557. **L. Racodium** (Pers.) C. DNtrs, Sacc. Mycoth. Ven. n. 779.
558. **L. hispida** (Tode) Fckl., d. Mycoth. Ven. n. 683.
559. **L. ovina** (Pers.) C. DNtrs, S. Michelia 45.
560. **L. scleracantha** S. Michelia 46.
561. **Leptospora spermoides** (Hoffm.) Fckl., S. Mycol. V. 108.
562. **Microthyrium microscopicum** Dmz., S. Mich. 381.
563. **M. Juniperi** (Dmz.) S. Michelia 351.
564. **M. litigiosum** Sacc. Peritheciis dense gregariis punctiformibus, $^1/_{10}$—$^1/_8$ mill. d., dimidiato—scutatis, radiatim contextis, sub—impertusis, nigris; ascis ovato—oblongis, sessilibus, 20—25 = 12—14, aparaphysatis, 8—sporis; sporidiis tristichis, elongatis, curvulis, constricto—1—septatis, 15 = 2—3, minute 4—guttulatis, hyalinis —*Leptostroma litigiosum* plur. auct. (an Dmz.?) huc spectat.

   Hab. In stipitibus Pteridis aquilinæ, vere 1879 (Bizz.).
565. **Daldinia concentrica** (Bolt.) C. DNtrs, S. Mycol. Ven. 153.
566. **Hypoxylon coccineum** Bull., S. Mycol. Ven. 152.
567. **H. commutatum** Nke., S. Mycol. Ven. 211.
568. **H. luridum** Nke., S. Fungi Ven. Ser. IV. 22.
569. **H. fuscum** (Pers.) Fr., S. Mycol. Ven. 152.
570. **H. cohærens** (Pers.) Fr. S. Fungi Ven. ser. IV. 22.
571. **H. purpureum** Nke., S. Fungi Ven. Ser. IV. 22.
572. **H. effusum** Nke., S. Fungi Ven. Ser. V. 183.
573. **H. multiforme** Fr., S. Fungi Ven. Ser. V. 184.
574. **H. rubiginosum** (Pers.) Fr., S. Fungi Ven. Ser. IV. 22.

575. H. serpens (Pers.) Fr., S. Mycol. Ven. 152.
576. H. Michelianum DNtrs., S. Fungi Ven. Ser. V. 183.
577. H. atro-purpureum Fr., S. Fungi Ven. Ser. V. 183.
278. H. unitum (Fr.) Nke, S. Fungi Ven. Ser. IV. 22.
579. H. bifrons DNtrs., Sfer. ital. n. XV.
580. Xylaria polymorpha (Pers.) Grev., S. Mycol. Ven. 154.
*acrodactyla Nke.
581. X. polymorpha (Pers.) Grev. *spathulata Nke.
582. X. Hypoxylon (L.) Grev., S. Mycol. Ven. 154.
582. X. Arbuscula S. Michelia 249.
584. X. filiformis (A. S.) Fr. S. Fungi Ven. Ser. V. 184 (foliicola, imperfecta). *Thamnomyces hippotrichoides* S. Michel. 24 (ascigera), nec Berk., Broom., Cooke &c. sec. specimina originalia.
585. Nummularia repandoides Fckl., S. Mycol. Ven. 153.
586. Rosellinia Aquila (Fr.) DNtrs, S. Mycol. Ven. 108.
587. R. thelena (Fr.) Rabh., S. Fungi Ven. Ser. II. 328.
588. R. amphisphærioides S, & S. Michelia 352.
589. R. mammiformis (Pers.) C. DNtrs Schema Sfer. it.
590. R. rimincola Rehm, S. Fungi Ven. Ser. II. 329.
591. R. pulveracea (Ehrh.) Fckl., S. Mycol. Ven. 109.
592. R. pseudo-bombarda S. Mycol. Ven. 109.
593. R. malacotricha (Awd.) Niessl, S. Fungi Ven. Ser. II. 328.
594. R. ambigua S. Fungi Ven. Ser. II. 328.
595. R. sordaria (Fr.) Rehm, S. Fungi Ven. Ser. II. 329.
596. R. ligniaria (Grev.) Nke., S. Fungi Ven. Ser. II. 328.
597. Perisporium Typharum S. Mycol. Ven. 92.
598. P. Typharum S. *lignicola, *P. vulgare* **macropus* Michelia IV. 401.
599. P. vulgare Cda, S. Fungi Ven. Ser. V. 174. *P. vulgare* **micropus* Michelia. IV. 401.
600. Physalospora Festucæ (Lib.) S. Michelia 27.
601. Ph. Euganea S. Michelia 244.
602. Ph. fallaciosa S. Michelia 121.
603. Ph. Astragali (Lasch) S. Cfr. Michelia 121. & 276,
604. Phomatospora Berkeleyi S. *macropoda Cfr. Fung. Ven. Ser. II. 306. (forma in Hippophaë).

605. Ph. Berkeleyi S. l. c. (forma in Lappa)
606. Lophiostoma Desmazierii S. & S. Michelia 411.
607. L. macrosporum Speg. Michelia 466.
608. L. collinum Speg. Michelia 467.
609. L. oreophilum Speg. Michelia 467.
610. Lophiotrema affine Speg. Michelia 465.
611. L. culmifragum Speg. Michelia 466.
612. L. littorale Speg. Michelia 466.
613. Sporormia leptosphærioides Speg. Michelia 459.
614. S. fimetaria DNtrs, Michelia 400.
615. S. Spegazzinii Pirotta Monogr. Spororm. n. 5, Michelia 354.
616. S. gigantea E. C. Hans. - Michelia 231.
617. Sordaria minima S. & S. Michelia 373.
618. S. zygospora Speg. Michelia 227.
619. S. leucotricha Speg. Michelia 225.
620. Rosellinia Winteriana Speg. Michelia 228.
621. Delitschia Winterii Plowr. — Michelia 229.
622. Chætomium stercoreum Speg. Michelia 222.
623. Amphisphæria Passerinii S. & Sp. Michelia 375.
624. A. culmicola S. *A. melanommoides Sp. Mich. 455.
625. Sphærella Karsteniana Speg. Michelia 229.
626. S. Coneglanensis Speg. Michelia 455.
627. S. nerviseda Speg. Michelia 456.
628. Ceratostoma Venetum Speg. Michelia 455.
629. Rhaphidophora herpotricha (Fr.) C. DNtrs, Michelia 462.
630. Saccardoella Montellica Speg. Michelia 461.
631. Gnomonia Veneta Speg. Michelia 457.
632. Leptosphæria arvensis Speg. Michelia 459.
633. L. nectrioides Speg. Michelia 458.
634. L. agminalis S. & Morth. Peritheciis gregariis, subcutaneis, vix erumpentibus, e globoso depressis, $^1/_3$—$^1/_2$ mill. d., ostiolo minuto, non v. vix emergente; contextu laxe parenchymatico, fuligineo, solidiusculo; ascis cylindraceo—clavatis, apice rotundatis, breve crasseq. stipitatis, 100—120 = 20—25, lumine initio apice angustato, paraphysibus brevibus obvallatis, 8—sporis; sporidiis subdistichis, ovato—oblongis, 38—40 = 14—16,

constricto—3—septatis, utrinque obtusiusculis, nubilosis, olivaceis.

Hab. in caule Clematidis Vitalbæ *à Neuchâtel*, vere 1878 (Morthier).

Obs. Ad *Botryosphæriæ* genus habitu accedit et forte cum *B. Dulcamaræ* (Kze et S.) novum genus constituere meretur.

635. **Pleospora malacospora** Speg. Michelia 462.

636. **P. hyalospora** Speg. Michelia 462.

637. **Melanomma alpinum** Speg. Michelia 460.

638. **Melanomma canescens** Speg. Michelia 460.

639. **Venturia circinans** (Fr.) S. *Perisporium circinans* Fr.

Hab. in pag. sup. Geranii rotundifolii in Euganeis, æst. 1879 (Bizz.).

Obs. Perithecia hinc inde — matrice immutata—maculiformiter aggregata, setulis cuspidatis, basi incrassatis, 30 = 7–8 (in basi) circa ostiolum conspersa. Asci cylindracei, 40—50 = 9—11, aparaphysati, subsessiles, 8—spori; sporidia didyma, 9—10 = 6, loculo infero multo minore, subhyalina.

Hab. in foliis Geranii rotundifolii in Euganeis (Padova), Majo 1879 (Bizz.).

640. **Valsaria rubricosa** (Fr.) S. Mycoth. Ven. n. 690 et Fungi Ven. Ser. V. 183.

FUNGI GALLICI

LECTI A CL. VIRIS

P. BRUNAUD, C. C. GILLET ET ABB. LETENDRE

AUCTORE

P. A. SACCARDO

Præmonitus

Mycetes aliquot, ut examini subjicerem, hisce mensibus benevole ad me miserunt: cl. P. Brunaud [1]), causidicus santonensis (*Saintes, Charente infér.*), cl. C. C. Gillet [2]) zoojatrus primarius alentionensis (*Alençon, Orne*) et rev. Letendre, Abbas Monasterii Quevillensis (prope *Rouen, Seine infér.*), qui fungos suos in sedis propriæ viciniis sedulo perquisiverant. Nonnullos mycetes Gilletianos novos in fasciculo IV. *Micheliæ* paucos ante menses descripsi. Sed nunc omnes, quos amici largiti sunt, fungos editos æque ac ineditos enumerabo, sperans opusculum meum qualecumque Mycologiæ gallicæ, tamquam ædi construendæ lapillum, nonnihil profuturum esse.

In hac enumeratione loca fungorum natalia non indicavi, quia e nomine citatorum inventorum facile patent. Si aliena, mentio fiet. Sic littera **B.** indicabit. cl. Brunaud et territorium Santonense, littera **G.** indicabit cl. Gillet et territorium Alentionense, postremo littera **L.** indicabit rev. Letendre et territorium Quevillense.

Patavii, die XXVIII. Junii 1879.

1) Anno 1878 typis evulgavit Enumerationem plantarum Santonensium (*Liste des plantes phan. et crypt. de Saintes*), inter quas mycetes plures et nobiles adsunt.

2) Opus *Les Hyménomycètes de France* fidelibus iconibus exornatum novisque v. raris speciebus dives annis 1874-78 edidit, appendicibusque in dies augere curat.

Hymenomyceteæ *Fr.*

1. **Agaricus** (Pholiota) **præcox** Pers. **L.**
2. **Panus stipticus** (Bull.) Fr. **L.**
3. **Dædalea unicolor** (Sow.) Fr. **L.**
4. **Polyporus** (Apus) **hirsutus** (Wulf.) Fr. **L.**
5. **Polyporus** (Apus) **versicolor** Fr. **L.**
6. **Polyporus** (Apus) **fumosus** (Pers.) Fr. **L.**
7. **Polyporus** (Apus) **dichrous** Fr. Schröt. Fungi Siles. n. 57. In Tilia et Quercu. Hymenium argillaceum. **L.**
8. **Polyporus** (Apus) **abietinus** (Diks.) Fr. In cortice Pini. **L.**

   Nunc effuso–reflexus, nunc resupinatus; pori violacei, initio subregulares, margine cristulati, dein elongati, laceri, vere irpiciformes. Sedulo comparatis exemplaribus europæis et americanis *Polypori abietini* in Mycoth. Univ. n. 6 et 706, Cooke F. Brit. ed. II. 512, ex collect. Plowright, Curtis, Farlow, meisque (non Thüm. F. Austr. n. 1207, ubi *Polyporus adustus*) cum exemplaribus *Irpicis fusco–violacei* in Oudem. F. Neerl. n. 1, Erbar. crittog. ital. n. 40 (Ser. II.), Cke et Rav. Fungi Amer. n. 108, species, prout mihi videtur, unicam se exhibuit. Discrimina, si adsunt, levissima ab ætate pendere possunt. Specimina Cke & Rav. l. c. dentibus paulo robustioribus vix recedunt, sed specifice distingui nequeunt. Observandum præterea quod cl. Fuckel in suis Symbolis frequentem *Polyporum abietinum* omiserit, recensito tamen *Irpice fusco–violaceo*. Certe illum cum hoc recte conjunxit.
9. **Polyporus** (Apus) **fulvus** Fr. In Corylo *à Aix*, in Pruno Mahaleb, *à St. Sever*. **L.**
10. **Polyporus** (Apus) **annosus** Fr. **L.** Forma pulchella resupinata, sed margine libero, paululum elevato. Pori prismatici, regulares, integri, albi. Pileus glabratus, leviter sulcatus, nigricanti–rufus.
11. **Polyporus** (Pleuropus) **Saccardoi** Cke & Quel. Clav. Hymen. p. 174. *P. sericellus* Sacc. (nec Lév.

F. Ven. Ser. V. 163. F. ital. fig. 106. L. Affinitas hujus speciei cum *P. bienni* Fr. manifesta.

12. **Polyporus** (Resupinatus) **vaporarius** Fr. In truncis variis. L.
13. **Radulum quercinum** Fr. In Quercuum cortice. L.
14. **Radulum molare** Fr. In Quercuum cortice. L. Tuberculis minoribus, subglabris, magis lutescentibus a præcedente differt. An satis?
15. **Merulius Corium** Fr. In ramis Ulmi camp. L.
16. **Stereum spadiceum** Fr. In cortice Mali. L.
17. **Stereum hirsutum** (W.) Fr. et var. *aurantiacum*. In truncis variis. L.
18. **Stereum disciforme** (DC.) Fr. In truncis. L.
19. **Corticium lacteum** Fr. In Pruno, Fraxino &c. L.
20. **Corticium roseum** Pers. In cortice Ulmi. L.
21. **Corticium incarnatum** Fr. In cortice ramorum Corni maris. L.
22. **Corticium cinereum** Pers. In ramis Viburni, Corni, Populi, Aceris, Pruni spinosæ. L.
23. **Corticium comedens** (Nees) Fr. In ramis Carpini Betuli. L.
24. **Corticium quercinum** (Pers.) Fr. In ramis quercinis. L.
25. **Corticium polygonium** Pers. In Populo, Tilia &c. L.
26. **Coniophora puteana** (Schum.) S. Thelephora Schum. L. Sporæ ochraceæ 10 = 8, ovoideæ.
27. **Cyphella griseo-pallida** Weinm. In ramis corticatis Populi. L. Extus albida, villosula, intus levis, rubescens, conchiformis.
28. **Cyphella albo-violascens** (A. S.) Karst. Myc. Fenn. III. 322. In ramis Fraxini Orni. L.
29. **Auricularia mesenterica** (Diks.) Fr. In truncis. L.
30. **Exidia minutula** S. s. n. Erumpens, disciformis, minutissime papillato-rugulosa, nigra (diam. 1mill. c.); sporophoris filiformibus, apice in pseudosporas clava-

tas, 35 ≈ 15, nubilosas, fulvescentes desinentibus — In ramis corticatis Ulicis europæi. **L.**

Hypodermeæ *de Bary.*

31. **Tilletia Caries** (DC.) Tul. In ovariis Tritici sativi. **L.**
32. **Entyloma Calendulæ** (Oud.) de Bary. In foliis Calendulæ officinalis. **G., L.**
33. **Uromyces Muscari** Lév. In foliis Muscari comosi. **L.**
34. **Uromyces Ficariæ** Fckl. In foliis Ficariæ ranunculoidis. **L.**
35. **Puccinia Graminis** Pers. In culmis Tritici sativi. **L.**
36. **Puccinia Straminis** Fckl. In foliis Holci et Avenæ (*Uredo Rubigo* DC.). **L.**
37. **Puccinia Hordei** Fckl. In foliis Hordei sativi (*Uredo*). **L.**
38. **Puccinia coronata** Cda In foliis Dactylis et Avenæ. **L.**
39. **Puccinia Hieracii** (Schum.) Mart. f. **Hieracii murorum.** **G.**
40. **Puccinia Liliacearum** Ung. f. **Muscari comosi.** **L.**
41. **Melampsora Euphorbiæ** (Pers.) Cast. In Euph. Peplo. (Ured. et Tel.). **G. L.**
42. **Melampsora Tremulæ** Tul. In foliis Tremulæ. **G.**
43. **Uredo confluens** DC. In foliis Mercurialis annuæ. **G.**
44. **Æcidiolum Mercurialis** (Lib.) S. Cum præcedente. **G.**
45. **Æcidium Rhamni** Pers. In foliis Rhamni cathartici. **L.**
46. **Æcidium Smyrnii** Bagnis. In foliis Smyrnii Olusatri, *Vendée*. **L.**

Phycomyceteæ *de Bary.*

47. Peronospora parasitica (P.) de Bary. In foliis Erysimi officinalis. **L.**
48. Peronospora Ficariæ Tul. In foliis Ficariæ ranunculoidis. **L.**

Pyrenomyceteæ *Fr.*

Erysipheæ *Lév.*

49. Sphærotheca Castagnei Lév. f. **Inulæ dysentericæ.** **L.**
50. Podosphæra clandestina (Link) Lév. In foliis Cratægi monogynæ. **L.**
51. Erysiphe lamprocarpa Link. f. **Menthæ.** **L.**
52. Erysiphe communis Schlecht. f. **Cirsii.** **L.** et f. **Delphinii Ajacis** (*E. nitida* Rabh.). **G.**
53. Erysiphe (Uncinula?) **Tuckeri** Berk. In Vite vinifera (*Oidium*). **G.**

Sphæriaceæ *Fr.*

Sect. 1. **Allantosporæ** Sacc.

54. Eutypa Acharii Tul. In ligno Fagi. **L.**
55. Eutypa lejoplaca (Fr.) Fckl. In ligno Hederæ. **G.** et Fraxini. **L.**
56. Eutypa lata (P.) Tul. In ligno et cortice Ulmi. **L.**
57. Eutypa Rhodi (Nke) Fckl. f. *Corni sanguineæ.* In ramulis. Asci p. s. 40–45 ≈ 5–6; sporidia 8 ≈ $1^1/_2$, hyalina. **B.**
58. Eutypa ludibunda S. In ramis Ulmi. **L.**
59. Eutypa heteracantha S. In ramis Tiliæ, Ulmi, Rubi. **L.** Sambuci et Ulmi. **B.** — Asci clavati 15 ≈ 7; sporidia 4–5 ≈ 1.

60. **Eutypella stellulata** (Fr.) S. In ramis Ulmi. Asci cylindrici, p. s. 35–40 = 4–4½; sporidia botuliformia, luteola, 8–9 = 1¾–2. **B. L.**

61. **Eutypella Brunaudiana** S. Acervulis erumpentibus, prominulis, 1—1¼mill. d. corticis laciniis arcte cinctis; peritheciis monostichis, stromate albido immersis, globulosis, ⅓ mill. d., nigris; ostiolis assurgentibus, cylindricis, apice rotundato integro pertusis, discum nigrum verruculosum formantibus; contextu perithecii sinuoso—parenchymatico, olivaceo—fuligineo; ascis clavato fusoideis, sursum parum angustatis, apice, tunica incrassata, rotundatis, filiformi-stipitatis, aparaphysatis, octosporis, p. s. 70—80 = 12, stipite 60 lgo; sporidiis distichis, botuliformibus, 10—12 = 2, 2—guttulatis, e hyalino lutescentibus.

Hab. in ramis corticatis Ribis rubri. **B.**

62. **Valsa** (Euvalsa) **salicina** (Pers.) Fr. In ramis Salicis vitellinæ. **L.**

63. **Valsa** (Euvalsa) **ambiens** (Pers.) Fr. In ramis Tiliæ. **G. L.** Pruni spinosæ et Ulmi. **G.** Forma *tetraspora* (sp. 20 = 5–6) et *octospora* (sp. 15—16 = 3—4).

64. **Valsa** (Euvalsa) **Hoffmanni** Nke. In ramis Cratægi Oxyacanthæ. **L.**

65. **Quaternaria dissepta** (Fr.) Tul. In ramis corticatis Ulmi. **L.** — var. *ostiolis exertis.* In matrice eadem. **B.** In utraque forma asci p. s. 90—100 = 16–18; sporidia botuliformia olivacea, 2-guttulata, 22–26 = 4½–5½.

66. **Cryptovalsa Nitschkei** Fckl. em. S. (Michelia p. 22.). In ramis Rosæ caninæ. **B.** Asci p. s. 80—90 = 9; sporidia 10–12 = 2—2½. — Rhamni Alaterni. **B.** — Ribis. **B.** Asci p. s. 80 = 9; sp. 9–10 = 2 — Sarothamni. **B.** Asci p. s. 90 = 10; spor. 10 = 2 — Ulicis europæi. **B.** Asci p. s. 80—90 = 12; sp. 10–12 = 2 — Pruni. **B.** Asci p. s. 60 = 8—10; spor. 10 = 2.

67. **Diatrype Stigma** (Hoffm.) Fr. In ramis Fagi. **L.**, Coryli. **G.**

68. **Diatrypella quercina** (Pers.) Nke. In ramis Quercus. L.
69. **Diatrypella Tocciæana** DNtrs. In ramis Alni glutinosæ. G. Asci cylindracei angusti p.s. 100 = 10, myriospori; sporidia botuliformia, luteola, 6—7 = 1–1½.
70. **Diatrypella verruciformis** (Ehrh.) Nke. In ramis Tiliæ. G.

Sect. 2. Hyalosporæ Sacc.

71. **Phomatospora Berkeleyi** S. In caule Arabis, *Rouen* (Malbranche). Asci cylindrici brevi-stipitati, 60 = 3; sporidia ovato-oblonga, 2-guttulata, hyalina, 6—8 = 2½–3.
72. **Physalospora Corni** Sacc. F. ital. fig. 182. In ramis Corni. G. Asci clavati, 70 = 14, apice, tunica integra, obtusi; sporidia, 20 = 4–5, inæquilateralia, guttata, hyalina.
73. **Physalospora gregaria** Sacc. F. ital. fig. 432. In ramis Pruni. B. Asci 120 = 12, clavati: sporidia, 30-40 = 6–8, guttulata, hyalina.
74. **Cryptosporella populina** (Fckl.) S. In ramis Populi fastigiatæ. L. Asci clavati, breve et parce paraphysati: 110–115 = 12–16, 8-spori; sporidia ovato-oblonga, 18—20 = 5, minute guttulata, hyalina.

Sect. 3. Phæosporæ Sacc.

75. **Anthostomella Tomicum** (Lév.) S. In foliis Cladii Marisci. B. Asci cylindrici, 100 = 6–7; sporidia, 15–17 = 5–6, ovato—oblonga, atrofuliginea.
76. **Sordaria coprophila** C. DNtrs. In stercore vaccino. G.
77. **Rosellinia Aquila** (Fr.) DNtrs, var. *glabra* (Hypoxylon globulariforme Fckl.). In ligno carioso Salicis. G. Asci cylindracei, p. s. 100 = 9; sporidia ovato-oblonga, 15—17 = 8–9, 1–2-guttata, fuliginea. — Var. *byssiseda*. In ramis Rosæ et Pruni. G.

78. **Rosellina rimincola** Rehm. In ramis Tamaricis anglicæ. **B.** Asci cylindracei, 70 = 7; sporidia 8 = 6, fuliginea; perithecia glabra.
79. **Rosellinia sordaria** (Fr.) Rehm. In ligno fagineo putrescente. **G.**
80. **Hypoxylon fuscum** (Pers). Fr. In ramis Betulæ, Carpini, Alni. **G.** *L.*
81. **Hypoxylon serpens** (Pers). Fr. In ligno carioso Salicis. **L.**
82. **Ustulina vulgaris** Tul. In truncis. **G.**

Sect. 4. **Didymosporæ** Sacc.

83. **Microthyrium microscopicum** Dmz. In foliis Buxi. **L.** Asci clavati, 45–50 = 10, 8–spori; sporidia oblongo–clavulata, 15–17 = 4, 2–3–guttata, hyalina, diu continua, an tandem vere 1–septata?
84. **Sphærella maculiformis** (Pers.) Awd. In foliis Quercus et Platani. **L.**
85. **Sphærella acerina** (Wallr.) Fckl. In foliis Aceris campestris. **L.**
86. **Sphærella brassicicola** (Duby) C. DNtrs. In foliis Brassicæ oleraceæ. **G. L.** Perithecia dense gregaria, maculas atras varias efficientia, globoso–lenticularia, 80 micr. d., pertusa, contextu ochraceo–fuligineo. Asci crasse cylindracei, 50 = 15, aparaphysati, octospori; sporidia 2–3–sticha, oblonga v. clavulata, 18 = $3^1/_2$, sæpe curvula, 1–septata, vix constricta, hyalina.
87. **Venturia glomerata** Cke. In foliis Geranii dissecti. **L. G.** Asci cylindraceo–clavulati, 30 = 7, octospori; sporidia oblongo–clavulata, 7 = 3, infra medium 1–septata, chlorina. Perithecia globoso–conoidea, 50 micr. d., circa ostiolum parce setulosa.
88. **Gnomonia leptostyla** (Fr.) C. DNtrs. In foliis Juglandis regiæ. **G. L.**
89. **Gnomonia devexa** (Dmz.) Awd. In caulibus Euphorbiæ palustris. **L.**
90. **Diaporthe** (Scler.) **castanea** (Tul.) S. In ramulis Castaneæ vescæ. **B.**

91. **Diaporthe** (Scler.) **leiphæma** (Fr.) S. In ramis quercinis. **G. L.**
92. **Diaporthe** (Scler.) **syngenesia** (Fr.) Nke. In ramis Frangulæ. **B.** — Perithecia in acervulos valseos, innato-erumpentes aggregata. Asci cylindracei, subsessiles, apice rotundati lumineque bi—foveolato, aparaphysati, octospori, 55 = 7—9. Sporidia disticha v. oblique monosticha oblonga, utrinque obtusa, 15–17 = 3, constricto—1–septata, 4—guttulata, hyalina.
93. **Diaporthe** (Scler.) **salicella** (Fr.) S. In ramis salicinis. **L.** Asci cylindraceo—clavati 70 = 15; sporidia oblonga, inæquilateralia, 20 = 6, 1–septata, hyalina.
94. **Diaporthe** (Scler.) **Cratægi** (Curr.) Nke. In ramis Oxyacanthæ. **B.** Asci fusoideo–cylindracei, 100 = 15–18, lumine apice 2–foveolato. Sporidia oblongata, utrinque rotundata, 18–22 = 6–7, medio constricta, 4—guttata, hyalina.
95. **Diaporthe** (Tetrast.) **resecans** Nke. In ramis Syringæ. **G.**
96. **Diaporthe** (Tetrast.) **Aucubæ** S. In ramis Aucubæ japonicæ. **L.**
97. **Diaporthe** (Tetrast.) **Coronillæ** S. In ramis Coronillæ Emeri. **B.**
98. **Diaporthe** (Tetrast.) **ligulata** Nke. In ramis Ulicis europæi. **B.** Est forma ostiolis parum exertis. Asci fusoidei 60 = 8; sporidia oblongo–biconica, 10–11 = 3–3½, medio constricta, utrinque obtusiuscula, 4–guttata, hyalina.
99. **Diaporthe** (Euporthe) **spiculosa** (A. S.) Nke. In ramis Sambuci nigræ. **B.** Forma submutica; asci 60 = 9—10; sporidia biconica, medio constricta, 15–16 = 4, 4—guttata, hyalina.
100. **Diaporthe** (Euporthe) **circumscripta** Otth. In caule Sambuci Ebuli. **B.** Asci 60 = 8; sporidia oblonga, obtusiuscula, 10–14 = 3—3½, leniter constricta, 4–guttulata, hyalina.
101. **Diaporthe** (Euporthe) **pulla** Nke. In ramis Hederæ Helicis. **L.**

102. **Diaporthe** (Euporthe) **Malbranchei** S. [1]). Stromate late effuso corticem interiorem lignique superficiem infuscante lineaque nigra intra lignum limitato; peritheciis sparsis v. hinc inde gregariis ligno immersis v. semiimmersis, globosis, majusculis, $^3/_4$ mill. d., ostiolis breve cylindraceis v. conoideis; ascis cylindraceo–fusoideis, subsessilibus, 60–70 × 10, apice, lumine 2-foveolato, obtusatis, aparaphysatis, octosporis; sporidiis distichis, oblongo–2–conicis, utrinque primo minute apiculatis, dein muticis, medio constrictis, 12–15 × $4^1/_2$–5, 4–guttatis, hyalinis.

Hab. in ramis decorticatis v. libro vestitis Ulmi campestris. **L.**

Obs. A *Diap. Ere* Nke et *D. Saccardiana* Kze, Ulmum pariter habitantibus, diversa.

103. **Valsaria insitiva** C. DNtrs. In ramis Carpini, Populi Tremulæ et Ulicis. **B.** Asci cylindrici, 100–110 × 11, paraphysati; sporidia didyma, 16–19 × $7^1/_2$–$8^1/_2$, fuliginea.

104. **Valsaria rubricosa** (Fr.) S. f. *Juglandis*. In ejusdem cortice. **B.** Stromata crassa, colliculosa, inæqualia, extus rufescentia, intus pallidiora; perithecia monosticha, v. irregulariter polysticha, nigra, nitentia; asci cylindrici, 100 × 10, paraphysati; sporidia ovata, 15 × 8–9, 1–septata, parum constricta 2–guttata, fuliginea.

105. **Amphisphæria Pseudo-umbrina** S. In ramis Pruni putrescentibus. **B.**

Sect. 5. **Phragmosporæ** Sacc.

106. **Melogramma vagans** DNtrs. In ramis Carpini Betuli. **B.**

107. **Pseudovalsa Malbrancheana** S. Acervulis innato–erumpentibus, transverse ovato–oblongis, peridermio fisso arcte cinctis, $1^1/_2$ × $2^1/_2$ mill., atris; peri-

1) Ad honorem Clar. MALBRANCHE, cryptogamologi gallici rothomagensis.

theciis in quoque acervulo paucis, $^3/_4$ mill. d., globosis; disco sublanceolato, nigro verruculoso; ascis cylindraceo–fusoideis, 130 = 18, brevissime stipitatis, apice lumine integro, rotundatis, paraphysibus guttulatis obvallatis, tetrasporis; sporidiis ovato–fusoideis, utrinque obtusiusculis, 40–50 = 15–18, plasmate 6–7–partito, denique 6–7–septatis, loculis extimis minimis hyalinis, ceteris fuligineis.

Hab. in ramis corticatis Pruni spinosæ. **L.**

Obs. Acervulis oblongis, nec circularibus, ascis tetrasporis nec octosporis, sporidiisque paulo minoribus a *Pseudovalsa umbonata* (Tul.) S. satis recedere videtur.

108. **Massaria macrospora** (Dmz.) S. In ramis fagineis putrescentibus. **L.**

109. **Massaria Platani** Ces. f. *quercina*. In ramis quercinis. **B.** Asci 150 = 35, clavati; sporidia fusoidea, 45–55 = 18–20, fusoidea, medio constricta, plasmate 4–5–partito, olivacea, strato hyalino obvoluta. A forma typica sporidiis sæpius acutioribus parum differt.

110 **Sporormia ulmicola** Pass. & Wint. Hedw. 1874 p. 52. In ligno putri quercino. **L.** Asci clavato–cylindracei, 130–140 = 20, aparaphysati, octospori: sporidia fusoideo–elongata, 40–50 = 10, 3–septata fuliginea, mox in articulos duos extimos conoideos, 15 = 7–8, duosque interiores cuboideos, 12–13 = 10 dilabentia. Perithecia ligno semiimmersa, vel penitus, ostiolo papillato–rotundato.

111. **Melomastia Friesii** Nke. In truncis decorticatis Loniceræ. **B.** Asci cylindrici 150 = 9, octospori; sporidia oblonga, utrinque rotundata, constricto–2–septata, 20 = 8, 3–guttata, hyalina. Perithecia basi insculpta, eximie papillata. Cum hac specie, nisi eædem, certe in plerisque notis conveniunt *Sphæria revelata* Berk., *Sph. Loniceræ* Sow.. *Sph. fraxinicola* Curr. et *Sph. Opuli* Fckl.

112. **Leptosphæria maculans** (Dmz.) C. DNtrs. In caulibus Alliariæ, Barbareæ. **L.**

113. **Leptosphæria acuta** (Moug.) Karst. In sarmentis

Vitalbæ. **B.** Sporidia cylindraceo-fusoidea, 7–9-septata, subconstricta, 40 = 6, fuliginea.

114. **Leptosphæria Libanotis** (Fckl.) S. In caule Libanotis montanæ. **L.** Sporidia breve fusoidea, curvula, 20 = 6, 3-septata, dilute fusca.

115. **Leptosphæria Doliolum** (Pers.) C. DNtrs. In caule Fœniculi. **G.**

116. **Leptosphæria agnita** (Dmz.) C. DNtrs. In caulibus. **G.** Sporidia 35 = $3^1/_2$, 5–7-septata, flavida.

117. **Leptosphæria modesta** (Dmz.) Awd. In caulibus Umbelliferarum. **G.** Ostiola setulosa. Sporidia 35 = $4^1/_2$–5, 5-septata, flava, utrinque hyalino-apiculata.

118. **Leptosphæria pleosporoides** Awd. In sarmentis Vitalbæ. **B.** Sporidia 22–24 = 8, 5-septata, septulo 1–2 longitudinali, mellea.

119. **Leptosphæria vagabunda** S. In ramis Albiziæ. **B.**, asci 90–110 = 15, sp. 24 = 6–$7^1/_2$, 3-sept. fulig. — Deutziæ. **B.**, asci 90–100 = 11, sp. 18–20 = 7, 3-sept. fulig. — Cinerariæ maritimæ. **L.**, asci 100 = 10, sp. 20 = $5^1/_2$–$6^1/_2$, 3-sept. fulig. — Vitalbæ. **B.**, asci 90 = 12, sp. 24 = $6^1/_2$, 3-sept. fulig. — Spirææ. **B.**, sporidia immatura 25 = 7, biconica, 4-guttulata, hyalina.

120. **Leptosphæria culmifraga** (Fr.) C. DNtrs. In culmo Holci. **B.** Asci 100 = 12–15; sporidia fusoidea, curvula, 28–30 = 5, 7–8-septata, flava.

Sect. 6. **Dictyosporæ** Sacc.

121. **Pleospora herbarum** (Pers.) Rabh. In caulibus Lactucæ, Euphorbiæ, Petroselini. **G.**, Dipsaci. **B. L.**, Cirsii. **L.**, Marrubii, Meliloti, Chelidonii et in fructibus Calycanthi. **B.**

122. **Pleospora Leguminum** Rabh. In legumine Fabæ et Cytisi(?). **L.** Asci cylindracei, 150 = 25; sporidia oblonga, 28–30 = 15, 3-septato—muriformia, medio constricta, guttulata, flava,

123. **Pleospora media** Niessl Notiz. Pyr. p. 28 fig. 12.

In foliis caulibusque Dianthi carthusianorum *à Lioran* (Cantal) in Gallia, Aug. 1878 (E. Gaudefroy). Asci cylindraceo–fusoidei, 80 = 18, paraphysati; sporidia disticha, ovato–oblonga, 18–20 = 9–10, medio constricta, 5–septato–muriformia, mellea dein fuliginea.

124. **Pleospora vulgaris** Niessl l. c. In sarmentis Vitalbæ. **B.** Asci 100 = 18: sporidia 5–septato–muriformia, 20–22 = 9–10, flava.

125. **Pleospora Gilletiana** S. Michelia 357. **G.**

126. **Fenestella Princeps** Tul. In ramis Alni glutinosæ. **L.**

127? **Thyridium cingulatum** (Mtgn.) S. In ramis Symphoricarpi racemosæ. **B.** Asci desunt; sporidia oblonga, 28 = 9, 5–septato–muriformia, medio constricta, fuliginea.

Sect. 7. Scolicosporæ Sacc.

128. **Rhaphidophora acuminata** (Sow.) S. In caule Cirsii lanceolati. **L.** Asci cylindrici 200 = 12: sporidia bacillaria, æqualia, 180 = 3–3½. 30–35–guttulata, flava.

129. **Rhaphidophora pellita** Fckl. In caule Erigerontis canadensis. **L.** Perithecia conica brevirostellata, pellita; asci 150 = 8; sporidia bacillaria, 140 = 1, hyalino–luteola.

130. **Lasiosphæria hirsuta** (Fr.) C. DNtrs v. *terrestris*. Ad terram. **L.** Asci ventricosi, p. s. 140 = 25; sporidia vermiculari–inflexa, 65 = 5, pluriguttulata, hyalina.

131. **Lasiosphæria Racodium** (Pers.) C. DNtrs. In ligno putri. **L.**

132. **Lasiosphæria ovina** (Pers.) C. DNtrs. In cortice Ulicis europæi. **B.**

133. **Leptospora spermoides** (Hoffm.) Fckl. In lignis putridis. **G. L.**

Lophiostomeæ *S.*

134. **Lophiostoma Desmazierii** S. & S. In ramis corticatis Persicæ. **B.**
135. **Lophiotrema præmorsum** (Lasch) S. In ramis Ulicis. **G. L.** Sarothamni. **B.**

Hypocreaceæ *DNtrs.*

136. **Nectria Desmazierii** DNtrs. In ramis Buxi sempervirentis. **B.**
137. **Nectria Aquifolii** (Fr.) Berk. In ramis Ilicis Aquifolii. **L.**
138. **Nectria cinnabarina** (Tode) Fr. In sarmentis Rubi cum *Tubercularia vulgari* Tode. **G.**
139. **Nectria coccinea** (Pers.) Fr. In cortice Evonymi? putrescente. **L.**
140. **Hyponectria Buxi** (DC.) S. In foliis Buxi. **L.**
141. **Gibberella Saubinetii** (D. & M.) S. In ramis Coronillæ. **B.** et Rubi. **L.** In forma *Coronillæ*: asci cylindraceo-clavati, 70–75 = 15–17; sporidia disticha, fusoideo-curvata, 25-30 = 6, 3-septata, subhyalina.

Dothideaceæ *Nke.*

142. **Dothidea ribesia** (Pers.) Fr. In ramulis Ribis. **L.**
143. **Phyllachora Graminis** (Pers.) Fckl. In foliis graminum. **G.**, *à Lyon* (J. Therry).
144. **Phyllachora Bromi** Fckl. In foliis Dactylis glomeratæ. **G.** Asci cylindrici, 90–100 = 9–10, paraphysati; sporidia ovoidea, 15–16 = 7–7½, nubilosa, hyalina.
145. **Phyllachora Angelicæ** (Fr.) Fckl. In foliis Angelicæ sylvestris. **L.**

Hysteriaceæ *Cda.*

146. **Hysterium pulicare** Pers. In cortice quercino **G.** Sporidia 24–26 = 8 fusca, 3–septata, loculis extimis subhyalinis.
147. **Hysterium angustatum** A. S. In ramis putrescentibus. **L.** Sporidia 18–20 = 5–6, 3–septata, tota dilute fuliginea.
148. **Hysterographium Fraxini** (Pers.) DNrs. In ramis Fraxini Orni **L.** et Viburni Lantanæ. **B.**
149. **Hypoderma virgultorum** D. C. f. *Rubi*. **L.** et f. *Vitis* **B.**
150. **Lophodermium arundinaceum** (Schrad.) Chev. In culmis Tritici **L.** Asci cylindraceo–fusoidei 100 = 10; sporidia filiformia, 60–65 = 1, 10–12–guttulata, hyalina.
151. **Dichæna quercina** (Pers.) Fr. In cortice nondum emortuo Quercus. **G.**
152. **Acrospermum Graminum** Lib. In foliis graminum. **B.** Sporidia filiformia, tenuissima, 150 = $^3/_4$, hyalina.

Discomyceteæ *Fr.*

153. **Tromera Resinæ** (Fr.) Körb. Parerg. Lichen. 453. *Retinocyclus flavus* Fckl. Symb. App. I. 332. In cortice Pini. **G.** Aptius forte Lichenibus adscribenda species. De synonymia citata, etsi specimina originalia Fuckelii non viderim, vix dubito.
154. **Cenangium Fraxini** Tul. In cortice Fraxini Orni. **L.**
155. **Lecanidion atratum** (Hedw.) Rabh. In ligno quercino. **L.**
156. **Propolis versicolor** Fr. var. **lactea**. *P. alba* Sacc. Myc. Ven., sed non Fr. In ligno quercino. **B.** Asci 120 = 16–18; sporidia oblonga, curvula, 2–guttata, 20–23 = 7, hyalina.

157. **Trochila Laurocerasi** (Dmz.) Fr. In foliis Laurocerasi. **L.**
158. **Trochila Craterium** (DC.) Fr. In foliis Hederæ. **L.**
159. **Stegia Ilicis** (Chev.) Fr. In foliis Ilicis Aquifolii. **L.**
160. **Rhytisma salicinum** (Pers.) Fr. In foliis Salicis, et tribu Caprææarum. **B.**
161. **Phacidium congener** Ces. *Niptera congener* C. DNtrs. Discom. p. 375. In pag. inf. Ranunculi repentis **L. G.** Ascomata $^1/_4$ mill. d., maculis vix ullis insidentia, atra, disco pallidiore; asci clavati, 80–90 = 14–15 paraphysati, octospori; sporidia disticha oblongo–clavulata, 15–17 = 5–6, infra medium septata, 4–5guttulata, hyalina. Cfr. Michelia p. 60 n. 211.
162. **Niptera melaleuca** (Fr.) Fckl. In ligno quercino. **L.**
163. **Helotium citrinum** (Hedw.) Fr. In disco Carpini Betuli. **L.**
164. **Trichopeziza Nidulus** (Schm). Fckl. In caulibus Polygonati multiflori, copiose. **L.**
165. **Trichopeziza sulphurea** (Fr.) Fckl. In caule Antirrhini. **L.**
166. **Dasyscypha cerina** (Pers.) Fckl. In ligno putrescente. **B.**
167. **Dasyscypha virginea** (Batsch) Fckl. In ligno putri quercino. **L.**
168. **Peziza** (Macropodia) **Rapulum** Bull., Nees Syst. fig. 291! In umbrosis *Parc du château* **L.** Asci cylindracei, attenuato-stipitati, 130 = 10, p. s. 100 lga, paraphysati, octospori, apicem versus jodo cærulescentes. Sporidia ovoidea, 15–17 = 7–8, 2-guttulata, hyalina.

Gymnoascaceæ *Wünsche.*

169. **Ascomyces aureus** (Pers.) Magn. In pag. inf. foliorum Populi nigræ **L.**

Myxomycetæ *de Bary.*

170. **Craterium minutum** (Leers) Fr. In foliis dejectis **L.**
171. **Comatricha typhina** (Roth) Rost. In fragmentis ligneis. **B.**
172. **Perichæna corticalis** (Batsch) Rost. In cortice Populi. **L.**
173. **Physarum cinereum** (Batsch) Pers. In foliis quercinis dejectis. **L.**

Sphæropsideæ *Lév., S.*

174. **Hendersonia Coronillæ** S. ***Lauri.** In ramulis Lauri nobilis. **L.** Perithecia gregaria, innato–erumpentia. Stylosporæ ovato–oblongæ, 20 × 8, 3–septato–muriformes, olivaceo–fuligineæ.
175. **Hendersonia basitricha** S. Peritheciis subsuperficialibus, gregariis e globoso depressis, $^1/_3$–$^1/_2$ mill. d., strigoso–vestitis, vix papillatis, nigris; pilis septulatis olivaceis; stylosporis ovato–oblongis, 3–septato–muriformibus, 18 ≈ 8–9, non constrictis, initio flavis dein fuligineo–olivaceis, basidiis subnullis suffultis.

   Hab. in ligno putri Evonymi. **L.** — *Obs.* Affinis *Hendersoniæ incrustanti* S., sed perithecia vestita nec glabra.
176. **Hendersonia propinqua** S. Peritheciis subcutaneo–erumpentibus gregariis, globoso–papillatis, nucleoque farcto nigris, $^1/_3$ mill. d.; stylosporis ovato–oblongis, 15–16 ≈ 8, 3–septato–muriformibus, non constrictis fuligineis, basidiis brevibus, crassiusculis initio suffultis.

Hab. in ramulis Salicis vitellinæ. **L.** *Obs.* Affinis *Hend.* (Cucurb.) *salicinæ* Fckl., a qua stylosporis breve-stipitatis, 3-septato-muriformibus differt.

177. **Hendersonia allantella** S. Peritheciis gregariis, innato-erumpentibus, subglobosis, minutis, atris; stylosporis fasciculatis, cylindraceis, curvulis, utrinque rotundatis, 5–6-septatis, 6–7-guttatis, 35–45 ≃ 4–5. hyalinis.

Hab. in cortice levi Coryli (an Cerasi?) **L.**

178. **Hendersonia Letendreana** S. Peritheciis globoso-depressis gregariis, subcutaneo-erumpentibus, 120–130 micr. d., ostiolo impresso-pertusis, contextu distincte celluloso fulvo-fuligineo; stylosporis cylindraceo-curvulis v. subclavulatis, utrinque præcipue apice obtusis, 25–30 ≃ 4, 3–4-septatis, non constrictis, melleis.

Hab. in caulibus Convolvuli (Pharbitis) culti. **L.** — *Obs.* Affinis *Hendersoniæ pulchellæ* S. Michel. 213., a qua stylosporis minoribus et parcius septatis differt.

179. **Hendersonia culmicola** S. In vaginis Brachypodii pinnati. **B.** Stylosporæ cylindraceæ, 28–32 ≃ 4, 4–5-septatæ flavæ. A typi var. *majore* et *minore* (F. Ven. Ser. II. 322 et 323) aliquid differt et var. *media* dici potest.

180. **Hendersonia Luzulæ** West., S. Michelia 210. In foliis Luzulæ. **B.** Stylosporæ oblongæ 12–13 ≃ $2^1/_2$ –3, 3–4-guttulatæ, hyalinæ. An potius *Phomæ* species?

181. **Diplodia Coryli** Fckl. In ramis Coryli Avellanæ. **B.**

182. **Diplodia Fraxini** Fr. In ramis Fraxini. **L.**

183. **Diplodia Lilacis** West. In ramis Syringæ. **L.**

184. **Diplodia microspora** S. In ramulis Fraxini. **L.** Stylosporæ ovato-oblongæ, 8–10 ≃ 4, 1-septatæ, non constrictæ, sessiles, fuligineæ.

185. **Diplodia herbarum** Lév. f. **Menthæ**: peritheciis subcutaneis, minutis; stylosporis ovato-oblongis, 25 ≃ 10, constricto-1-septatis pedicellatis, atrofuligineis — In caule Menthæ. **B.**

186. **Diplodia Clematidis** S. Peritheciis gregariis, subcutaneo-erumpentibus, globoso-papillatis, $^1/_5$ mill. d.; stylosporis ovoideis, 20–25 = 12–14, diu continuis, fuligineis.

Hab. in sarmentis Clematidis Vitalbæ. **B.**

187. **Diplodia Gleditschiæ** Pass. f. **leguminum**. **B.** Stylosporæ obtusæ, pedicellatæ, constricto-1-septatæ, 20–22 = 8, fuligineæ.

188. **Diplodia Ribis** S. Peritheciis gregariis, v. subaggregatis, subcutaneis, globoso-papillatis, $^1/_3$ mill. d. atris; stylosporis stipitatis, oblongo-ovatis, diu continuis, dein constricto-1-septatis, fuligineis, 25 = 12 — Forte status secund. *Cucurbitariæ Ribis* Niessl.

Hab. in ramis Ribis rubri. **B.** Legi quoque Patavii.

189. **Diplodia Tamaricis** S. Peritheciis gregariis, subcutaneo-erumpentibus, globoso-papillatis $^1/_3$ mill. d. nigris; stylosporis ovato-oblongis, constricto-didymis, 20 = 12, stipitatis, fuligineis.

Hab. in ramis Tamaricis anglicæ. **B.**

190. **Diplodia Amelanchieris** S. Peritheciis subsparsis, globulosis, tectis, nigris, $^1/_4$ mill. d.; stylosporis oblongo-didymis, 25 = 9–10, fuligineis.

Hab. in ramis Amelanchieris vulgaris. **B.**

191. **Diplodia Sorbi** S. Peritheciis globoso-depressis, subsparsis, tectis, vix erumpentibus, $^1/_2$ mill. d.; stylosporis ovato-oblongis, 24 = 13, diu continuis, hyalinisque.

Hab. in ramis Sorbi domesticæ. **B.**

192. **Diplodia buxicola** Sacc. Peritheciis gregariis, aggregatisve, initio subcutaneis, dein, cortice secedente, subsuperficialibus, globulosis, papillatis, $^1/_3$ mill. d., aterrimis; stylosporis ovato-oblongis, constricto-1-septatis, 25 = 12, atrofuligineis.

Hab. in ramis semidecorticatis Buxi sempervirentis. **B.**

193. **Diplodia Buxi** Fr. In foliis Buxi sempervirentis. **L.**

194. **Rabenhorstia Tiliæ** Fr. In ramis Tiliæ. **G.** Sty-

losporæ ellipsoideæ, 12–14 ≈ 8, nubilosæ, hyalinæ, basidiis filiformibus fasciculatis, 60 ≈ $1^1/_2$, suffultæ.

195. **Cytispora** (Valsa) **salicina** (Pers.) Fr. *C. Salicis Rabh.* In ramis Salicis Vitellinæ. **L.** Spermatia botuliformia, 5–6 ≈ 1, hyalina.

196. **Cytispora** (Valsa) **ambiens** (Pers.) Fr. In ramis Juglandis. **B.** et Tiliæ. **L.** Spermatia botuliformia, 6 ≈ 1, hyalina, sterigmatibus acicularibus, fasciculatis fulta.

197. **Cytispora** (Valsa) **Fuckelii** Nke. In ramis Coryli Avellanæ. **L.**

198. **Cytispora** (Valsa) **ceratophora** Tul. In ramis Fraxini. **L.** Spermatia botuliformia, 4 ≈ 1, hyalina, sterigmatibus acicularibus simplicibus verticillatisque suffulta.

199. **Cytispora** (Leucostoma) **ocellata** Fckl. f. *Ribis rubri.* In ejusdem ramis. **B.** Spermatia botuliformia, 5 ≈ 1, in basidiis acicularibus verticillatis acrogena, hyalina, coacervata carneola.

200. **Cytispora Tiliæ** S. Conceptaculis plurilocularibus, innato-erumpentibus, laxe gregariis, 1–2 mill. d., stromate flavo interspersis; loculis inæqualibus griseis, spermatiis botuliformibus, 7–8 ≈ 1, hyalinis, in cirrhos varios succineos denique expulsis.

Hab. in ramis Tiliæ europææ. **L.** — A *Cytispora carphosperma* Fr. valde diversa.

201. **Cytispora Laurocerasi** Fckl. In foliis emortuis ejusdem. **L.** Spermatia botuliformia, 6–8 ≈ 1, in sterigmatibus acicularibus, verticillato-ramosis triplo longioribus acrogena.

202. **Cytispora** (Eutypa) **ludibunda** S. In ramis Ulmi et Pruni. **B.** Cirrhi rosei; spermatia filiformia, hamata, 25–30 ≈ 1, basidiis bacillaribus mediocribus suffulta.

203. **Cytispora** (Diaporthe) **castanea** S. In ramis Castaneæ vescæ. **B.** Spermatia fusoidea, recta, 10–12 ≈ 2–$2^1/_2$, hyalina basidiis brevibus bacillaribus fulta.

204. **Cytispora** (Phoma?) **pruinosa** Fr. f. *Viburni Lantanæ.* In ejusdem ramis. **B.** Perithecia globulosa, ni-

gro-farcta, ostiolo subprominulo nigro, albido-pruinoso-anulato; spermatia botuliformia, 5 ≈ 1.

205. **Coniothyrium anserinum** S. In ramulis Fici Caricæ. **G.**

206. **Coniothyrium Hederæ** (Dmz.) S. In ramis Hederæ Helicis. **L.**

207. **Coniothyrium olivaceum** Bon. f. *Sarothamni*. In ejusdem ramulis. **B.** Perithecia globoso-conica, initio subcutanea, 130 micr. d., contextu subolivaceo; spermatia ovoidea, 5–6 ≈ 3, olivacea.

208. **Coniothyrium fuscidulum** S. In ramis Sambuci nigræ. **L.** Spermatia ovoidea, 5 ≈ $1^1/_2$–$2^1/_2$, flavida.

209. **Coniothyrium glomerulatum** S. Peritheciis innato-erumpentibus, hinc inde 2–5-glomerulatis, globosis, vix papillatis, $^1/_{10}$ mill. d., aterrimis; spermatiis ovoideis, 3 ≈ 2, olivaceo-fuligineis.

Hab. in bracteis strobilorum Abietis excelsæ. **L.**

210. **Neottiospora Caricum** Dmz. In foliis emortuis Caricum. **L.** Perithecia tecta, globosa, contextu parenchymatico olivaceo, nucleo roseo; spermatia fusoidea, 12–14 ≈ 3, subhyalina guttulata apice penicillum setulosum mox fluxile gerentia.

211. **Phoma** (Diaporthe) **seposita** S. In ramulis Wistariæ chinensis. **L.** Spermatia oblongo-fusoidea, 10 ≈ 3, 2-guttata; basidia filiformia curvula 20–24 ≈ 2.

212. **Phoma** (Diap.) **Robergeana** (Dmz.) S. In ramulis Staphyleæ pinnatæ. **B.** Spermatia, 9 ≈ 2, eguttulata, hyalina, curvula; basidia filiformia 25–30 ≈ $1^1/_2$.

213. **Phoma** (Diap.) **pungens** Nke. In ramulis Grossulariæ. **L.** Spermatia oblongo-fusoidea, subinæquilateralia, 10 ≈ $3^1/_2$, 2-guttulata, hyalina; basidia fasciculata, filiformia, subæquilonga.

214. **Phoma** (Diap.) **ambigua** Nke. In ramulis Pyri communis. **L.** Spermatia fusoidea, 8 ≈ 3; basidia filiformia, 18 ≈ 1.

215. **Phoma** (Diap.) **cinerascens** S. In ramis Fici Caricæ. **B. G.** Spermatia fusoidea, 6–8 = 2–2½, hyalina.

216. **Phoma** (Diap.) **japonica** S. In ramis Kerriæ japonicæ. **G.**

217. **Phoma** (Diap.) **cryptica** Nke. In ramis Loniceræ taricæ. **B.** Spermatia oblongo–fusoidea, 8 = 3, 2–guttulata, hyalina.

218. **Phoma** (Diap.) **mendax** S. In ramis Albizziæ Julibrissin. **B.** Spermatia elongata, 10 = 2, 2–guttulata, hyalina; basidia filiformia 25 = 1.

219. **Phoma** (Diap.) **incrustans** Nke. In caulibus Brassicæ oleraceæ. **B.** Stroma effusum nigricans; spermatia ovato–oblonga, 8–9 = 2, 2–guttata.

220. **Phoma** (Diap.) **Spartii** S. Michelia 359. **G.**

221. **Phoma** (Diap.) **juglandina** Fckl. In ramulis Juglandis regiæ. **B.** Spermatia breve fusoidea, 10–12 = 3–4; basidia curvula, filiformia, 25 = 1–1½.

222. **Phoma** (Diap.) **eres** Nke. In ramulis Ulmi campestris. **G.** Perithecia ¼ mill. d.; spermatia fusoidea, 10 = 3, 2–guttata; basidia filiformia 15–18 = 2.

223. **Phoma** (Diap.) **Malbranchei** S. Peritheciis cortice nidulantibus, globosis, ½ mill. d., nucleo nigricante, ostiolo vix manifesto; spermatiis, ovato–oblongis, 14–15 = 5, 2–guttulatis, hyalinis; basidiis subæquilongis filiformibus.

Hab. in ramis corticatis Ulmi campestris. **B.**

Obs. Status spermogonicus *Diap. Malbranchei* S. v. forte *D. Saccardianæ* J. Kze.

224. **Phoma** (Diap.) **rudis** (Fr.) Nke. Cfr. Fckl. Symb. 209. In ramis ramulisque Cytisi Laburni. **G.**

225. **Phoma** (Diap.) **Asphodeli** S. Stromate longitudinaliter effuso, nigricante; peritheciis gregariis, innato–erumpentibus, globulosis, 100–120 micr. d., pertusis; spermatiis ovato–oblongis, 8 = 3, 2–guttatis, hyalinis; basidiis acicularibus sesquilongioribus.

Hab. in caule Asphodeli putrescente. **L.**

226. **Phoma** (Diap.) **tinea** S. Stromate obsoleto; peritheciis cortice nidulantibus, gregariis oblongis, ½ = ¼

mill., nucleo griseo; spermatiis fusoideo–oblongis, 8 = 2, 2-guttulatis, hyalinis; basidiis linearibus, sursum acutioribus, 15 = $1^1/_2$, hyalinis.

Hab. in ramulis Viburni Tini emortuis. **L.**

227. **Phoma cytisporoides** S. Peritheciis sparsis, v. hinc inde subaggregatis, globoso–conoideis, superficialibus, nigris, contextu anguste prosenchymatico; spermatiis botuliformibus, 5–6 = 1–$1^1/_2$, hyalinis, basidiis fasciculatis, verticillato-ramosis, acicularibus 3–4–plo longioribus suffultis.

Hab. in ramis decorticatis Deutziæ scabræ. **B.** et Ulmi. **L.** ubi perithecia denique cupulato–collapsa videntur.

228. **Phoma superflua** S. Peritheciis gregariis, punctiformibus, 80–90 micr. d. epidermide velatis, minute pertusis, contextu olivaceo–fuligineo; spermatiis cylindraceis, utrinque obtusis, sæpe curvis 10–15 = 3–$3^1/_2$, 2–guttulatis, hyalinis (basidiis non visis).

Hab. in caule Scabiosæ Columbariæ. **L.** *Sphærellam superfluam* habitu æmulans.

229. **Phoma leptidea** S. Peritheciis subparallele gregariis, oblongis, subcutaneo–erumpentibus, $^1/_2$ = $^1/_6$ mill., subastomis; spermatiis fusoideis, curvulis, 10–12 = 3, 3–4–guttulatis, hyalinis, basidiis filiformibus sesquilongioribus, fasciculatis suffultis.

Hab. in caulibus Hyperici Androsæmi. **L.**

230. **Phoma lirelliformis** S. Peritheciis parallele dense gregariis, lineari–oblongis, $^1/_2$–$^3/_4$ = $^1/_8$ mill., innatis dein rimose erumpentibus; spermatiis ovato–oblongis, rectis, 2–guttulatis, 7 = 3–$3^1/_2$, hyalinis, (basidiis non visis).

Hab. in ramis decorticatis Rhamni Alaterni. **B.** Affinis præcedenti nec non *Ph. Striæformi* DR. M., a quibus tamen satis differt.

231. **Phoma diplodioides** S. Peritheciis subcutaneo-erumpentibus, sparsis, v. hinc inde aggregatis, globoso–conoideis, $^1/_4$ mill. d., papillatis, nigris; spermatiis fusoideis, utrinque obtusiusculis, 12–15 = 3–$3^1/_2$ hyalinis, basidiis brevissimis linearibus suffultis.

Hab. in ramis corticatis Æsculi Hippocastani. **L.**

232. **Phoma Pulviscula** S. In ramis decorticatis. **L.**

233. **Phoma rimincola** S. Peritheciis subgregariis, subliberis, globoso–conoideis, 110–120 micr. d., pertusis, nigris, intus albidis; spermatiis cylindraceis, rectis, utrinque obtusis, 5 = 1, hyalinis.

Hab. in ramis Tamaricis anglicæ cum *Rosellinia rimincola.* **B.**

234. **Phoma herbarum** West. In caulibus Galiorum: sperm. ovato–oblonga 2–guttulata, hyalina, basidiis brevissimis suffulta, 8 = 3. **L.** — Marrubii: sperm. 8–10 = 3. **G.** — Absinthii: sp. 10 = 3–4. **L.** Urticæ; sp. 7 = 4. **L.** — nec non Verbenæ, Lactucæ. **G.**

235. **Phoma enteroleuca** S. Michelia 358. **G.**

236. **Phoma endoleuca** S. Peritheciis cortice omnino nidulantibus, globulosis, $^1/_5$ mill. d., vix papillatis, nucleo albo farctis; spermatiis botuliformibus, 6 = $1^1/_2$ –2, leniter curvis, 2–guttulatis, hyalinis; basidiis subæquilongis subsimplicibus fultis.

Hab. in ramis Alni glutinosæ cum *Fenestella.* **L.**

***Ph. ligustrina** S. A typo differt peritheciis majoribus ($^1/_4$ mill. d.); spermatiis crassioribus (6–7 = $2^1/_2$) basidiis subnullis fultis.

Hab. in ramulis Ligustri vulgaris. **B.**

237. **Phoma** (Diap.) **Indigoferæ** S. Peritheciis subcutaneis, ovato–globulosis, $^1/_5$ mill. d. pertusis, nigris; spermatiis ovato–oblongis, 8 = 3–4, 2–guttulatis, hyalinis; basidiis filiformibus, 20 = $1^1/_2$.

Hab. in caule leguminibusque Indigoferæ cultæ. **L.**

238. **Phoma Amorphæ** S. Peritheciis gregariis globoso–lenticularibus, subcutaneis, pertusis, $^1/_{10}$–$^1/_7$ mill. d.; spermatiis ovatis, 6–7 = 4, utrinque obtusiusculis, hyalinis (basidiis non visis).

Hab. in ramulis Amorphæ fruticosæ. **L.**

239. **Phoma petiolina** S. Peritheciis gregariis, subcu-

tanеis, globoso–depressis, $^1/_8$ mill. d., pertusis; spermatiis ellipsoideis, v. subreniformibus, 8–11 = $3^1/_2$, 2–pluriguttulatis, hyalinis (basidiis non visis).

Hab. in petiolis Fraxini putrescentibus. **L.**

Obs. A *Ph. petiolorum* Dmz spermatiis multo majoribus differt.

240. **Phoma Œnotheræ** S. Peritheciis subcutaneis, globoso–lenticularibus, late pertusis, 140 micr. d., gregariis; spermatiis oblongis, deorsum attenuatis, 8 = 2, 2–guttatis, hyalinis, basidiis filiformibus, 20 = 2, sursum acutioribus suffultis.

Hab. in caule Œnotheræ biennis. **L.**

241. **Phoma Œnotherella** S. Peritheciis gregariis, tectis, lenticularibus, pertusis, 110 micr. d.; contextu circa ostiolum subfimbriato pallidiore; spermatiis ovatis v. subreniformibus, 7 = 4, hyalinis (basidiis non visis).

Hab. in caule Œnotheræ biennis. **L.**

242. **Phoma Cacti** Bk var. *Opuntiæ.* In caule Opuntiæ. **B.** Perithecia sublenticularia, 100–110 micr. d., pertusa; spermatia ovoidea, 5–7 = 4, hyalina, basidiis brevissimis suffulta.

243. **Phoma vulgaris** S. Peritheciis gregariis, globoso–lenticularibus, epidermide velatis, 100–120 micr. d., poro pertusis; spermatiis oblongo–reniformibus, 8–10 = $2^1/_2$–3, eguttulatis, hyalinis.

Hab. in caulibus Clematidis Vitalbæ, socia *Pleosp. vulgari.* **B.** et Medicaginis sativæ. **L.**

244. **Phoma Laurocerasi** Dmz. In foliis Pruni Laurocerasi. **B.** Spermatia oblongo–cylindracea, 8–10 = 2, 2–guttulata, hyalina.

245. **Phoma decorticans** DNtrs. In epicarpio Cucumis sativi. **B.** Spermatia oblongo–fusoidea, 10 = 2–$2^1/_2$, 2–guttulata, hyalina.

246. **Phoma subvelata** S. Peritheciis gregariis, globoso–lenticularibus, epidermide velatis, $^1/_4$ mill. d., late pertusis; contextu minute parenchymatico circa ostiolum densiore, fuliginco; spermatiis cylindraceo–oblongis, 8–9 = 2–$2^1/_2$, medio leniter constrictis sed con-

tinuis, 2-guttatis, hyalinis, basidiis filiformibus, curvulis, 30 ≈ 1, fultis.

Hab. in epicarpio Cucurbitæ Peponis aurantiiformis. **B.**

247. **Phoma Solierii** (Mtgn.) S. *Ascospora S.* Mtgn. In caule Asphodeli albi. Spermatia cylindraceo-oblonga, utrinque rotundata, 2-guttata v. nubilosa, 28–30 ≈ 6, hyalina.

248. **Phoma Samararum** Dmz. In samaris Aceris. **G.**

249. **Phoma Leguminum** West. In leguminibus Cercidis et Cytisi Laburni. **L.**

250. **Phoma leucostigma** (Lév.) S. In foliis Buxi sempervirentis. **G. B.**

251. **Phoma nebulosa** (Fr.) Mtgn. ***Althææ.** In caulibus Althææ off. **L.** Perithecia punctiformia, 80 micr. d.; spermatia oblongata, 7–8 ≈ $1^3/_4$–2, hyalina.

252. **Phoma aculeorum** S. Michelia 358. **G.**

253. **Phoma populea** S. Michelia 358. **G.**

254. **Phoma Lingam** Dmz. In caulibus herbarum majorum. **G.**

255. **Phoma Ilicis** Dmz. In foliis Ilicis Aquifolii. **L.** Spermatia cylindracea, 12–15 ≈ 3, 2-guttulata, utrinque obtusiuscula, hyalina.

256. **Phoma moricola** S. Peritheciis gregariis, cortice nidulantibus, globoso–depressis, griseis, $^1/_3$ mill. d.; spermatiis oblongis, curvulis, 8 ≈ 2–$2^1/_2$, 2–guttulatis, hyalinis (basidiis non visis).

Hab. in ramis corticatis Mori albæ. **L.** — A *Ph. Mori* Mtgn. diversissima.

257. **Phoma vicina** Dmz. (verisimiliter). In ramis decorticatis Sambuci nigræ. **L.** Perithecia punctiformia, globoso–ellipsoidea, 100–150 ≈ 50–60, minute pertusa, basi ligno infossa; spermatia oblonga, curvula, 5 ≈ 2, eguttulata, hyalina.

258. **Phoma eupyrena** S. Peritheciis subgregariis, depresso–conicis, $^1/_4$ mill. d.; innato–erumpentibus, pertusis, contextu fuligineo conspicue parenchymatico; spermatiis ovoideis, 4 ≈ $1^1/_2$, hyalinis (basidiis non visis). — Status *Pleosporæ* cujusdam.

Hab. in caulibus Solani tuberosi. **B.**

259. **Phoma Persicæ** S. Peritheciis laxe gregariis, globoso—lenticularibus, $^1/_6$—$^1/_5$ mill. d., epidermide vix tumidula velatis; spermatiis oblongo—ovoideis, 8 ≈ 3, 2—guttulatis, hyalinis, basidiis æquilongis cylindro-conicis suffultis.

Hab. in ramulis nondum exsiccatis Persicæ. **B.**

260. **Phoma fraxinea** S. Peritheciis gregariis, subcutaneo—erumpentibus, globoso—depressis, 110 micr. d., pertusis; contextu parenchymatico ochraceo—fusco; spermatiis ovoideis, 8 ≈ 4, 1–2–guttatis hyalinis.

Hab. in ramis Fraxini Orni. **L.**

261. **Phoma xanthina** S. Michelia 359. **G.**

262. **Phoma Rubiæ** S. Peritheciis subgregariis, epidermide æquali velatis, globoso—lenticularibus, $^1/_4$—$^1/_3$ mill. d.; spermatiis oblongis, quandoque curvulis, 8 ≈ $2^1/_2$–3, 2–guttulatis, hyalinis, basidiis cylindro—conicis, 15 lgs suffultis.

Hab. in caulibus Rubiæ peregrinæ. **B.**

263. **Phoma discosioides** S. Peritheciis erumpenti—superficialibus, lenticularibus, pertusis, $^1/_6$ mill. d., atro-nitidulis, minute contextis; spermatiis botuliformibus, minutissimis, 3 ≈ $^1/_2$, basidiis acicularibus, apice subincrassatis, 10 ≈ $^1/_2$ suffultis.

Hab. in pag. sæpius superiore fol. Fagi sylvaticæ. **L.**

264. **Phoma Letendrei** S. Peritheciis epiphyllis, sparsis, erumpenti—superficialibus, lenticularibus, majusculis, $^1/_2$–$^2/_3$ mill. d., atro—nitentibus, subastomis; contextu parenchymatico atro—fuligineo; spermatiis fusoideo—falcatis, utrinque acutis, 7–9 ≈ $1^1/_2$, hyalinis, basidiis filiformibus, furcatis, 18–22 ≈ 1, suffultis.

Hab. In pag. superiore fol. Lysimachiæ Nummulariæ. **L.**

265. **Phoma bacillaris** S. Peritheciis subgregariis, globoso—conicis, subcutaneo—erumpentibus, $^1/_6$ mill. d., pertusis, intus pallidis; spermatiis cylindraceis, leniter curvis, 15 ≈ 2, utrinque obtusis, sub–4–guttulatis, hya-

linis, basidiis filiformibus simplicibus, furcatisve, 15–16 ≈ 2, suffultis.

Hab. in caule Aconiti Napelli. **B.** et Arabidis Thalianæ. **L.**

266. **Phoma cylindrospora** (Dmz.) S. f. Quercus Ilicis. In ejusdem foliorum pag. inferiore. **B.** Perithecia punctiformia, atra, denique collabentia; spermatia bacillaria, utrinque obtusa, 20–25 ≈ 2–3, recta v. curvula, hyalina; basidia filiformia simplicia v. furcata, 15–16 ≈ $1^1/_2$–2, hyalina.

267. **Septoria Aceris** (Lib.) B. & Br. *Ascochyta* Lib., *Sept. acericola* Dmz. In foliis *Aceris campestris.* **G.** Perithecia genuina nulla, sed spermatia acervulata, sub–epidermica, fusoideo–clavata, 22–28 ≈ 5, 3–septata, non constricta, hyalina. — Inquirendum an hæc species nec non *S. Mori, S. Ulmi, S. Oxyacanthæ* aliæque perithecio vero destitutæ, sint potius ducendæ ad gen. *Glœosporium* (sect. *Septoglœum*).

268. **Septoria Ulmi** Fr. In foliis Ulmi campestris. **L. G.**

269. **Septoria Gilletiana** S. Michelia 359. **G.**

270. **Septoria Cymbalariæ** S. & S. In foliis Linariæ Cymb. **G.** Perithecia 50–60 micr. d.; spermatia, 15–20 ≈ 1–2, filiformia.

271. **Septoria Rubi** (Duby) West. In foliis Rubi fruticosi. **L.**

272. **Septoria Verbenæ** Rob. & Dmz. In foliis Verbenæ officinalis. **G.** Spermatia filiformia 40–50 ≈ 1, pluriguttulata, hyalina.

273. **Septoria Lactucæ** Pass. in Thüm. M. U. n. 1295. In foliis Lactucæ sativæ. **B.** Perithecia 90 micr. d. Spermatia filiformia, tortuosa, nubilosa, 25–30 ≈ $1^3/_4$–2, hyalina.

274. **Septoria Ulmariæ** S. Maculis epiphyllis minutis, atro–sanguineis, dein centro expallentibus; peritheciis lenticularibus, 60–80 micr. d., late apertis, denique folia punctato–perforantibus, contextu cellulari, melleo; spermatiis bacillaribus curvulis, pluriguttulatis, 30–40 ≈ 1–$1^1/_2$, hyalinis.

Hab. In pag. sup. foliorum Spirææ Ulmariæ. **L.**

275. **Septoria Letendreana** S. Maculis subnullis, vagisve; peritheciis gregariis hypophyllis, punctiformibus, globoso-lenticularibus, 60 micr. d., late pertusiis; spermatiis bacillaribus, curvis, 18–25 = $1^1/_2$, parce guttulatis, hyalinis.

Hab. In foliis emortuis Juglandis regiæ. **L.**

276. **Septoria phomatella** S. Peritheciis dense gregariis, tectis, vix erumpentibus, globulosis, $^1/_4$ mill. d.; spermatiis filiformi—uncinatis, 20 = 1, hyalinis, basidiis brevioribus acicularibus suffultis.

Hab. In ramis corticatis Ulmi campestris. **L.**

277. **Septoria pseudo-phoma** S. Peritheciis dense gregariis, tectis, dein erumpentibus, lenticularibus, $^1/_3$ mill. d., griseis; spermatiis filiformi—uncinatis, 20–25 = 1, hyalinis (basidiis non visis).

Hab. In ramis corticatis Populi albæ. **L.** — Species hæc et præcedens forte status secundarios *Diaporthis* sistunt.

278. **Septoria Brunaudiana** S. Peritheciis laxe gregariis, subcutaneis, lenticularibus, 115 micr. d., pertusis, denique detectis; spermatiis filiformibus, curvis, 25–30 = 1, hyalinis, eguttulatis, basidiis clavatis crassiusculis dimidio brevioribus suffultis.

Hab. In caule Fœniculi officinalis. **B.**

Obs. A *Sept. nebula* S. et *nebulosa* Dmz. peritheciis majoribus, basidiorum præsentia etc. differt.

279. **Septoria trichophila** S. Peritheciis gregariis, erumpenti—superficialibus, globoso—conicis, 130 micr. d., atro—nitidulis, pertusis; spermatiis bacillaribus, flexuosis, 35–50 = $1^1/_2$, minute guttulatis, hyalinis.

Hab. in caule tomentoso Althææ officinalis. **L.**

280. **Septoria pleosporoides** S. In caule herbarum majorum prope Parisios (herb. Bosc). Spermatia falcata, 20 = 2–$2^1/_2$.

281. **Septoria Verbenicola** S. Peritheciis laxe gregariis, sub—epidermico—erumpentibus, globoso-lenticu-

laribus, 70–80 micr. d., late pertusis; spermatiis acicularibus, leniter curvis, 30 ≈ 1, hyalinis.

Hab. in caule ramisque Verbenæ officinalis. **L.**

282. **Septoria detospora** S. Peritheciis laxe gregariis, epidermide æquali velatis, lentiformibus, diam. $^1/_2$ mill.; spermatiis bacillaribus, flexuosis, 60 ≈ 3, pluriguttulatis, hyalinis, prope basim processu laterali brevi inter se connexis.

Hab. in caule Equiseti limosi. **B.**

283. **Septoria caulogena** S. Peritheciis sparsis, tectis dein erumpentibus, lenticularibus, 100 micr. d., pertusis; spermatiis prælongis, filiformibus, 50–60 ≈ 1–$1^1/_2$, 6–8-guttulatis, hyalinis. — A *S. caulicola* S. spermatiis longioribus et angustioribus differt.

Hab. in caule Scadicis Cerefolii. **B.**

284. **Septoria Hellebori** S. Peritheciis spuriis, subtectis, globulosis, $^1/_8$ mill. d., fulvescentibus; spermatiis filiformi—falcatis, 30 ≈ $1^3/_4$, utrinque obtusiusculis, 3–5-nucleolatis, hyalinis.

Hab. in caule Hellebori fœtidi. **L.**

285. **Septoria cæspitulosa** S. Peritheciis in cæspitulos elevatos, epidermide cinctos, $^1/_2$ mill. d., nigros aggregatis, minutis, globulosis, contextu denso fusco—olivaceo; spermatiis, filiformibus, flexuosis, 24–28 ≈ 1, hyalinis, eguttulatis, basidiis bacillaribus subæquilongis, subsimplicibus suffultis. — Habitus *Botryosphæriæ Bérengerianæ* DNtrs.

Hab. in caule Pelargonii zonalis in calidariis. **B.**

286. **Septoria brachyspora** S. Maculis variis arescendo expallentibus ochraceo—marginatis; peritheciis paucis punctiformibus, lenticularibus, late hiantibus, 80 micr. d.; contextu fusco—cinereo; sparmatiis bacillaribus, curvulis, 12–15 ≈ 1, hyalinis.

Hab. in foliis Fici elasticæ in calidariis. **B.**

287. **Septoria Bromi** S. f. *Brachypodii pinnati*. In ejusdem foliis. **B.** Spermatia filiformia, 30–40 ≈ 1–$1^1/_4$, hyalina, flexuosa.

288. **Ascochyta phomoides** S. Peritheciis sparsis, subcutaneis, dein erumpentibus, globulosis, pertusis, 100–110 micr. d., spermatiis oblongo–didymis, 7–9 = 4, leniter constrictis, hyalinis.

Hab. in caule Eryngii. **L.**

289. **Ascochyta berberidina** S. Peritheciis sparsis, epidermide velatis, 100 micr. d., lentiformibus, pertusis; spermatiis fusoideis, 1–septatis, non constrictis, 8–11 = $2^1/_2$, luteolis.

Hab. in ramulis Berberidis vulgaris. **L.**

290. **Ascochyta Laburni** S. Peritheciis gregariis, epidermide velatis, 120 micr. d. subglobosis, pertusis contextu fuligineo; spermatiis cylindraceis, utrinque rotundatis, 10–12 = 2, 1–septatis, non constrictis, viridulis.

Hab. in ramulis Cytisi Laburni. **L.**

291. **Ascochyta leguminum** S. Peritheciis gregariis subcutaneo–erumpentibus, lenticularibus, 120–130 micr. d., late pertusis; contextu melleo–fuligineo; spermatiis oblongis, utrinque obtusis, constricto–1–septatis, 11–15 = 4, perfecte hyalinis.

Hab. in leguminibus Cytisi Laburni. **L.**

292. **Ascochyta scandens** S. Peritheciis dense gregariis, globoso–lenticularibus, subcutaneo–erumpentibus, 70–80 micr. d., pertusis, contextu parenchymatico circa ostiolum multo densiore, spermatiis fusoideis, 10 = 4, 1–septatis, non constrictis, chlorino–hyalinis.

Hab. in sarmentis Hederæ Helicis. **B.**

293. **Ascochyta Sambuci** S. In foliis Sambuci nigræ. **L.**

294. **Ascochyta Unedinis** S. Maculis plerumque epiphyllis variis, arescendo cinerescentibus, rufo–cinctis; peritheciis gregariis, velatis, lenticularibus, 80 micr. d., pertusis; spermatiis oblongis, 1–septatis, non constrictis, 7–9 = $2^1/_2$, olivaceis.

Hab. in foliis Arbuti Unedinis. **B.**

295. **Phyllosticta Verbenæ** S. Maculis epiphyllis variis arescendo cinerescentibus v. albicantibus, peritheciis punctiformibus lenticularibus, 80 micr. d., pertu-

sis; spermatiis oblongis, curvulis, $5 \asymp 1-1^1/_4$, hyalinis, coacervatis viridulis.

Hab. in foliis Verbenæ officinalis. **G.**

296. **Phyllosticta flavidula** S. Maculis variis, arescendo expallentibus rufo—cinctis; peritheciis paucis velatis lentiformibus, 100 micr. d., pertusis; spermatiis ovoideis, $2^1/_2-3 \asymp 1$, e hyalino luteolis, coacervatis melleis.

Hab. in foliis Callistemonis cultæ. **B.**

297. **Phyllosticta Syringæ** West. In ejusdem foliis. **G.**

298. **Phyllosticta Platanoidis** S. Michelia 360. **G.**

299. **Phyllosticta pyrina** S. In foliis Pyri Mali. **L.**

300. **Phyllosticta sycophila** Thüm. In foliis Fici Caricæ. **B.** Spermatia ovoidea, $5-6 \asymp 4$, nubilosa, hyalina.

301. **Phyllosticta osteospora** S. Peritheciis hinc inde aggregatis, tectis, globulosis, 80–90 micr. d., pertusis; spermatiis bacillaribus, $6-7 \asymp 1$, rectis utrinque incrassatis (humeriformibus) hyalinis.

Hab. in foliis Populi nigræ amphigena. **G.**

302. **Phyllosticta tineola** S. Maculis amphigenis vagis ochraceis; peritheciis sparsis, globoso—lenticularibus, 70–80 micr. d. pertusis, spermatiis oblongo—cylindraceis utrinque rotundatis curvulis, $15 \asymp 3$, 2–guttulatis, hyalinis. — A *Ph. tinea* S. diversa.

Hab. in foliis Viburni Tini. **L.**

303. **Phyllosticta Verbasci** S. Maculis parvis arescendo expallentibus, epiphyllis; peritheciis punctiformibus, sparsis; spermatiis oblongis $6 \asymp 3$, utrinque obtusis, medio parum constrictis, continuis, hyalinis.

Hab. in foliis Verbasci. **G.**

304. **Phyllosticta Rhododendri** S. Maculis epiphyllis, variis, fusco-marginatis; peritheciis paucis, punctiformibus, subvelatis, subhemisphæricis, 50 micr. d. pertusis, contextu fulvo—ochraceo; spermatiis perexiguis oblongo-cylindraceis, $4 \asymp 1$, hyalinis.

Hab. in foliis Rhododendri pontici. **G.**

305. **Phyllosticta Phillyreæ** S. Maculis epiphyllis, variis, griseo—ochraceis, rufo—marginatis; peritheciis punctiformibus, hemisphæricis, 80–100 micr. d., per-

tusis; spermatiis oblongo—fusoideis, 6–7 = 3, 2–guttulatis, hyalinis.

Hab. in foliis Phillyreæ latifoliæ. **G.**

306. **Phyllosticta Napi** S. Maculis vagis arescendo expallentibus immarginatis; peritheciis gregariis epiphyllis, globoso–lenticularibus, 90–100 micr. d., pertusis; spermatiis oblongo—cylindraceis, curvulis, 4–6 = $1^1/_4$–$1^3/_4$, minute 2–guttulatis, hyalinis.

Hab. in foliis Brassicæ Napi. **G. L.**

307. **Phyllosticta anceps** S. Maculis amphigenis subcircularibus, minutis, initio atroviridibus, dein albolutescentibus, fusco–marginatis; peritheciis globoso–lenticularibus, subvelatis, 80–90 micr. d., pertusis; spermatiis botuliformibus, 4–5 = 1–$1^3/_4$, minute 2–guttulatis, hyalinis.

Hab. in foliis Nasturtii ancipitis et amphibii. **G. L.**

308. **Vermicularia herbarum** West. — Michelia 359. **G.**

309. **Vermicularia Dematium** (Pers.) Fr. In caulibus Chenopodii. **G.** Centranthi et in petiolis Pseudo—Platani. **L.**

310. **Vermicularia atramentaria** B. & Br. In caule Solani tuberosi. **G.**

311. **Vermicularia Liliacearum** West. In caulibus foliisque Gladioli. **L. G.** et Asphodeli. **L.**

312. **Vermicularia trichella** Fr. f. *Evonymi japonici.* In ejusdem foliis. **G. L.**

313. **Sclerotium durum** Pers. In caulibus putridis Erigerontis et Dahliæ. **L.** Tanaceti vulgaris. **B.** Lactucæ &c. **G.**

314. **Asteroma Pæoniæ** West. In foliis Pæoniæ officinalis. **G.**

Melanconieæ *Cda.*

315. **Melanconium juglandinum** Kze — *α typicum* — *β diffusum* Cda. In ramis Juglandis regiæ. **B.** Conidia obovata, 25 = 15, fuliginea, granulosa.

316. **Stilbospora angustata** Pers. In ramis Carpini Betuli. **G.**

317. **Glœosporium phæosorum** S. Michelia 360. **G.**

318. **Glœosporium Populi** (Lib.) Mtgn. In foliis Populi albæ. **B.**

319. **Glœosporium ampelophagum** (Pass.) S. f. **foliicola.** In foliis Vitis viniferæ. **B.**

320. **Coryneum microstictum** Bk. In ramis Oxyacanthæ, Arbuti Unedinis. **B.** et Rubi. **L.** Conidia oblonga, 15–16 = 5–6, apice obtusiuscula, 4–locularia, loculo infimo subhyalino, ceteris melleis; stip. 20–25 = $1^1/_2$.

321. **Pestalozzia funerea** Dmz. In foliis Taxi baccatæ. **B.**

322. **Pestalozzia truncatula** (Cda) Fckl. *P. truncata* Lév. In ramis salicinis corticatis. **L.**

323. **Pestalozzia plagiochæta** S. Pseudoperitheciis globoso–lenticularibus, innato–erumpentibus, dein cupulatis, atris; conidiis oblongo–cylindraceis, subinæquilateralibus, 38–40 = 9, 6–locularibus, loculis extimis hyalinis, ceteris fuligineis, loculo supero obtusiusculo infra apicem setulam obliquam, 8 micr. lg., hyalinam gerente, loculo infero in stipitem, 6–8 lg. attenuato.

Hab. in cortice ramorum Lauri nobilis. **B.**

324. **Cylindrosporium Ficariæ** Berk., serius Glœosporium Ficariæ Bk. In foliis Ficariæ ranunculoidis vivis. **L.** Acervuli varii, epidermide velati, applanati; conidia bacillaria, curvula, utrinque acutiuscula, flexuosa, 25–35 = $2^1/_2$, pluriguttulata, hyalina.

325. **Cylindrosporium Myosotis** S. Acervulis, epidermide velatis, applanatis, variis, ex albo luteolis; conidiis filiformibus, curvulis, 50-55 = $1^1/_2$, pluriguttulatis, hyalinis.

Hab. in pag. infer. foliorum Myosotis palustris. **L.**

Obs. In animo est sub hoc genere, hucusque varie

interpretato, colligere *Glœosporii* species conidiis filiformibus donatas.

Hyphomyceteæ *Fr. p. p.*

326. **Fusarium pyrochroum** (Dmz.) S. *Selenosp. pyr.* Dmz. In ramis Aceris campestris. **L.** Conidia in basidiis verticillato–ramosis acrogena, falcata, 40 = 4, obsolete septata, roseo–hyalina. Acervuli punctiformes, subtecti, rubri.

327. **Fusarium sarcochroum** (Dmz.) S. *Selenosp. sarcochr.* Dmz. In ramis Fraxini Orni. **L.** et Nerii Oleandri. **B.** Conidia 30–40 = $4^1/_2$–5, falcata, obtusiuscula, 3–septata, roseo–hyalina. Acervuli erumpentes, $^1/_2$–$^3/_4$ mill. d., carnei.

328. **Fusarium roseum** Lk. In caulibus foliisque putridis Brassicæ, Daturæ etc. **B.**

329. **Dendrodochium aurantiacum** Bon. In ramis corticatis Fici Caricæ. Basidia ramosa, apice obtusiuscula; conidia globoso–ellipsoidea, 5–6 micr. d. e roseo hyalina. Acervuli erumpentes $^1/_2$–1 mill. d., rubro–aurantiaci.

330. **Illosporium tuberculosum** S. Acervulis gregariis erumpenti–superficialibus, prominulis, atro–viridibus, $^3/_4$–1 mill. d., ex hyphis olivaceis, torulosis, simplicibus, ramulosisque, septatis, varie intricatis compositis; ramis nonnullis sporomorphis subdidymis; conidiis ovoideo–oblongis, 8–12 = 3–5, 2–guttulatis, hyalinis.

Hab. in fructibus immaturis putrescentibus Fici Caricæ. **L.**

Obs. An status sclerotiaceus et microconidicus *Cladosporii?*

331. **Tubercularia vulgaris** Tode. In ramis Coryli. **B.** Persicæ, Carpini, Æsculi. **L.**

332. **Tubercularia nigricans** Lk. In cortice Ulmi campestris. **G.**

333. **Tubercularia ciliata** Ditm. v. *sessilis.* In ramis Carpini sub epidermide secedente. **L.** Acervuli mi-

nuti sessiles carnei, basi albociliati; conidia 7–11 = 2, botuliformia; basidia bacillaria, curvula, ramulosa.

334. **Atractium Therryanum** Sacc. sp. nov. Conceptaculis dense gregariis, v. hinc inde 2–3 aggregatis, conico–cylindricis $1^1/_2$ mill. alt., erumpenti–exertis, basi conspicue incrassatis ($^1/_2$ mill. d), albido–roseis, extus rugulosis, apice obtuse attenuato, e conidiis conglutinatis sub–diaphano; stipite solidiusculo e fibris parum distinctis lutescentibus conflato, apice sporophoris filiformibus subtortuosis, pallidis, fasciculatis terminato; conidiis bacillari–fusoideis, curvis, utrinque sed præcipue deorsum acutissimis, 50 = 3, pluriguttulatis, hyalinis.

Hab. in cortice ramorum (Robiniæ?) *à Lyon*, unde specimina pulcherrima misit cl. J. Therry, Julio 1879.

Obs. Cum speciebus mihi notis *Atractii*, *Sphæronœmatis*, *Stilbi*, *Microceræ* et *Microperæ* comparavi sed nulla cum præsenti convenit.

335. **Trichothecium roseum** Lk. In fructibus Pyri comm. putridis. **L.**

336. **Acrostalagmus cinnabarinus** Cda. In sarmentis Vitis viniferæ. **G.**

337. **Penicillium glaucum** Lk. In foliis, caulibus, &c. **L. B.**

338. **Penicillium candidum** Lk. In foliis Hederæ putridis. **L.**

339. **Aspergillus candidus** Lk. In foliis putrescentibus Viburni, Fraxini &c. **G.**

340. **Botrytis vulgaris** (P.) Fr. In leguminibus, floribus &c. dejectis putridis. **L. B.**

341. **Cylindrium Cordæ** S. In foliorum pag. infer. Lapsanæ communis. **L.**

342. **Cylindrium elongatum** Bon. In cupulis quercinis. **G.**

343. **Ramularia obovata** Fekl. In foliis Rumicum. **G.**

344. **Ramularia Urticæ** Ces. In foliis Urticæ dioicæ. **G.**

345. **Ramularia lata** S. Cæspitulis hypophyllis, maculi-

formibus, diffusis, albidis; hyphis bacillaribus, simplicibus, ramosisque, versiformibus, sub apice denticulatis, hyalinis; conidiis cylindraceo–fusoideis, utrinque subtruncatis, 10–20 × 2–2½, hyalinis (quandoque catenulatis?).

Hab. in pag. inf. foliorum Pruni Laurocerasi. **L.**

346. **Ramularia Tulasnei** Sacc. Cfr. Tul. Select. F. Carp. II. 286 (ut stat. conid. *Stigmateæ Fragariæ*) et Sorauer Pflanzenk. 337 t. XI fig. 2–3–4. In foliis Fragariæ chilensis. **B.** Basidia fasciculata cylindraceo–conica; conidia cylindracea 20–35 × 3½–4½, continua v. 1–2–septata, hyalina.

347. **Ramularia Cynaræ** S. sp. n. Maculis epiphyllis e circulari sinuosis, griseis, fusco–marginatis; cæspitulis gregariis minutis candicantibus; hyphis fasciculatis, breviusculis, cylindraceis, 40–50 × 3, sursum denticulatis, hyalinis, denique (humiditate?) intricato-collabentibus, magis elongatis, angustioribusque, sæpe ramulosis: conidiis cylindraceis utrinque obtusis, 20–25 × 3–4, 1–2–septatis rectiusculis, hyalinis. — In foliis nondum emortuis Cynaræ Scolymi. **B.**

348. **Microstroma album** (Dmz.) S. In pag. inf. foliorum Quercus pedunculatæ. **L.**

349. **Alternaria tenuis** Nees. In foliis Tritici. **L.**

350. **Macrosporium commune** Rabh. In foliis Syringæ &c. **L.**

351. **Stemphylium ramulosum** S. Michelia 360. **G.**

352. **Cladosporium herbarum** (Pers.) Lk. In caulibus, foliis, lignis, fructibus &c. putridis Polygonati, Spinaciæ, Pyri, Populi, Akebiæ, Iridis, Ulmariæ, Verbenæ, Robiniæ, Lycopersici, Gynerii &c. **B. G. L.**

353. **Cladosporium fasciculatum** Cda. In foliis Eucalypti, Bambusæ, Berberidis. **B. L.**

354. **Cladosporium macrocarpum** Pr. In foliis Spinaciæ, Yuccæ. **L. G.**

355. **Passalora dendritica** (Wallr.) Sacc. In foliis

Pyri Mali. **L. G.** Conidia obclavata, 25 ≈ 7–8, olivacea, tandem 1–septata.

356. **Passalora pyrina** (Lib.) Sacc. In foliis Amelanchieris. **B.** Conidia obovata, 15—18 ≈ 9, olivacea.

357. **Passalora** (Napicladium) **Brunaudii** S. Maculis epiphyllis, vagis, expallentibus, rufo—cinctis; cæspitulis punctiformibus, subolivaceis: basidiis fasciculatis brevibus, 30 ≈ 6–7, simplicibus, apice subincrassatis olivaceis; conidiis ex ovato fusoideis, 38–42 ≈ 15–17, 3–raro 1–2–septatis, vix constrictis, olivaceis.

Hab. in foliis Pruni Laurocerasi nondum emortuis. **B.**

Obs. Conidiis magnis a ceteris speciebus distinguendum.

358. **Polythrincium Trifolii** Kze. In pag. inf. foliorum Trifolii repentis. **G.**

359. **Fumago Tiliæ** Tul. In ramulis Tiliæ europææ, (st. conid.) **L.**

360. **Fumago vagans** Pers. In pag. sup. Ruborum cum algis paucicellularibus viridibus. **L.**

361. **Fumago Loniceræ** Fckl. In ramulis Loniceræ, st. conidiophorus. **L.**

262. **Coniothecium epidermidis** Cda. f. *Syringæ*. In ejusdem capsulis. **L. G.**

363. **Coniothecium effusum** Cda. In ligno putrescente quercino. **L.**

364. **Coniothecium complanatum** (Nees sub *Didymosporio*) S. In ramulis corticatis. **L.** Conidia sarcinuliformia, 3–4–cellularia, 6–10 micr. d. olivacea.

365. **Coniothecium phyllophilum** Dmz. In foliis Oxyacanthæ. **L.** Conidia sarcinuliformia, 4—cellularia, 10–12 micr. d., fuliginea.

366. **Exosporium Tiliæ** Lk. In ramis putrescentibus Tiliæ europææ. **L.**

367. **Helminthosporium Tiliæ** Fr. In ramis Tiliæ europææ. **L.** Conidia cylindraceo—obclavata, 60 ≈ 15, 5—pseudo—septata, fuliginea, hyphis fasciculatis filiformibus, æquilongis, septulatis suffulta.

368. **Helminthosporium macrocarpum** Grev. In ramis Fraxini et Ulmi. **L.**

369. **Helminthosporium fasciculare** Cda. In ramis decorticatis salicinis. **L.**

370. **Helminthosporium fusiforme** Cda In ramis putrescentibus Evonymi europæi. **L.** Conidia fusiformia, 50 = 15, 8–locularia, loculis extimis hyalinis, ceteris fuligineis, guttulatisque, hyphis filiformibus sesquilongioribus, septatis suffulta.

371. **Helminthosporium rhopaloides** Fres. In caule Dianthi & Brassicæ. **L. G.**

372. **Dendryphium comosum** Wallr., Cda. In ramis corticatis Populi. **G.**

373. **Dendyphium curtum** Bk. In ramo decorticato Populi. **G.**

374. **Dendryphium ramosum** Cooke. In caule Papaveris. **G.** Stipes cylindraceus, basi 12–14 micr. cr., fuligineus; conidia cylindracea, 25 = 6–7, 3–septata, fuligineo–pallida.

375. **Periconia pycnospora** Fes. In caule Labiatarum. **L.** Stipes cylindraceus, 18 micr. d., parce septatus, fuligineus, sursum pallidior, obtusiusculus; conidia sphærica, 10–12 micr. d., levia circa apicem stipitis congregata, olivacea. Fere æquo jure ad *P. botrytiformem* Fres. hæc species duci potest.

376. **Psilobotrys minuta** Sacc. In ligno Populi fastigiatæ. **G.** Conidia minima, sphæroidea, 2 = 1–1½, hyalina.

377. **Torula monilioides** Cda. In ligno putri. **L.** Conidia ovoidea, utrinque subtruncata, 6–7 = 3–4, fuliginea.

378. **Torula hyalinula** S. Ad discomycetes in foliis Viburni Tini parasitica. **L.** Conidia cylindraceo–oblonga, 5–8 = 1½, hyalina.

FUNGI VENETI novi v. critici v. Mycologiæ Venetæ addendi, auctore P. A. Saccardo.

SER. X.

Hymenomyceteæ *Fr.*

1. **Agaricus** (Pleurotus) **applicatus** Batsch var. **atratus**, Myc. Ven. n. 1301 : pileo denique toto nigro — In ligno quercino *a Selva.*
2. **Agaricus** (Pleurotus) **atro-cœruleus** Fr. **Canovianus*, Myc. Ven. n. 1392: pileo nigro-villoso, margine pallidiore glabrescente; basidiis clavulatis, sterigmatibus 2–4 terminatis; sporis globosis, hyalinis, 2–3 micr. d., diu basidiis inclusis (in hymenio adsunt copiosa crystalla minima octo-edrica, hyalina)– In palis putrescentibus *a Possagno* Oct. 1878. (Art. Rossi).
3. **Lenzites sepiaria** (Wulf.) Fr. f. *dædaloidea reflexa* et f. *dædaloidea resupinata* Mycoth. Ven. n. 1302–1303. In trabe abietina *a Padova*, Aug. 1878.
4. ***L. crocata.** A typo differt trama amœne crocea, lamellis flavidis, margine inæquali pallidiore; pileo strigoso-velutino, sulcato, fusco–tabacino — In lignis (acerosis?) *a Possagno* Nov. 1879. (Art. Rossi). *Lenziti cinnamomeæ Fr.* affinis videtur.
5. **Polyporus** (Apus) **ungulatus** (Schäff.) S. *Boletus ungulatus* Schäff. Fung. Bav. t. 137 (ab auctoribus non citata). In truncis Coniferarum in *M. Grappa* (Art. Rossi) et in alpibus Tridentinis (Anna Rossetti) Pileus ungulatus, concentrice sulcatus, e rufo et ochraceo varius, rugulosus (haud verniceus); pori minuti, breviusculi tramaque ex albo lutescentia.
6. **Polyporus** (Resup.) **subspadiceus** Fr. Hymen. Eur. 570. *P. murinus* Rostk. 4. t. 57. In truncis putridis (populinis?) (Majer). Margo latiusculus sterilis, ambitu fimbriato albicante.

7. **Polyporus** (Resup.) **vaporarius** Fr. ***P. macer** Somm. Lapp. 278, S. Mycoth. Ven. n. 1305. In trunco populeo *a Padova,* Martio 1878.
8. **Odontia Pruni** Lasch, Fr. Hymen. 628, f. **Vitis.** In ejusdem sarmentis *a Possagno,* Nov. 1879. (Art. Rossi) — *Odontiæ jonquilleæ* Quel. et *O. subgelatinosæ* B. & Br. affinis quoque videtur.
9. **Anthina penicillata** (Bull.) Fr. Syst. Mycol. III. 286. *Clavaria penicillata* Bull. t. 448 p. 3. — In putamine Coryli *a Padova,* vere 1879 — Hyphæ in stipites apice penicillatos aggregatæ, filiformes, 1-2 micr. cr. minute septulato-guttulatæ, aureo-flavidæ. Sporæ nullæ. An potius stirps ozoniacea?
10. **Clavaria cristata** Holmsk. var. **cinerascens** Mycoth. Ven. n. 1307. In umbrosis *a Padova,* aut. 1879.

Hypodermeæ *de Bary.*

11. **Entyloma Ranunculi** (Bon.) Schröt. Bem. u. Beob. Ustilag. p. 368-370. In foliis Ranunculi acris et bulbosi *a Padova,* vere 1879—Sporæ subglobosæ, 9-11 micr. d., pallide ochraceæ, nubilosæ; episporio tenui 1 micr. cr. *Entyloma microsporum* (Ung.) est plane diversum — *Entylomatis Ranunculi* socium adest *Cylindrosporium Ranunculi* (Bon. sub *Fusidio*). Acervuli initio subcutanei more *Glœosporii.* Spermatia demum protrusa, fili-fusiformia, 80 = 2, subflexuosa, granulosa, hyalina; adsunt alia (sporidiola?) crassius et brevius fusoidea, 18—20 = $2^1/_2$–3, quandoque curvula, nubilosa, hyalina; basidia filiformia apice obtusiuscula, hyalina.
12. **Entyloma crastophilum** Sacc. n. sp. Sporis hinc inde dense gregariis, parenchymate innatis, maculas minutas $^1/_4$—$^3/_4$ mill. d., utrinque conspicuas, cinereo-fuscas efficientibus, globosis v. globoso-angulosis, 10 = 8-10, lutescentibus, nucleo granuloso-farcto pallidiore, episporio $1^1/_2$—2 micr. crasso.

Hab. in foliis subvivis Poæ annuæ prope *Man-*

tova, Majo 1865 (Magnaguti), socia *Septoria Bromi* f. *Poæ* (spermatiis filiformi—flexuosis, 50–60 = $1^1/_2$).

13. **Polycystis Colchici** (Schlecht.) Tul. f. **Muscari racemosi** Cfr. Schröt. Bemerk. u. Beobacht. Ustil. p. 378. In ejusdem foliis in Horto Patavino, vere 1879.

14. **Uromyces Muscari** Lév. In foliis Muscari racemosi in Horto Patavino, vere 1879.

15. **Puccinia Liliacearum** Duby. ***P. Rossiana.** A typo differt acervulis plerumque crassioribus, sæpius erumpentibus, sed imprimis teleutosporis vertice acute hyalino-apiculatis (50—55 = 25–27, dilute cinnamomeis, stipite 30–40 = 10, hyalino). Exemplaria *P. Liliacearum* f. *Muscari* (Rabh. Herb. Mycol. ed. II. n. 686, non Erb. crittog. ital. ser. II. 597, ubi e contra *Puccinia Allii* Rud. adest.) et f. *Ornithogalorum* (ex speciminibus Passerini, Kühn, Voss, Körnicke) teleutosporis prorsus muticis et sæpius obtusis utuntur.

Hab. in foliis Scillæ bifoliæ in alpinis *M. Sol* prope *Possagno,* Junio 1879 (Art. Rossi).

16. **Æcidium leucospermum** DC. In foliis Anemones ranunculoidis *a Roverè di Velo* in agro Veron. Majo 1877 (A. Goiran).

17. **Æcidium quadrifidum** DC. In foliis radicalibus, Anemones coronariæ, quæ duriora evadunt, plantaque sterilescit, in collibus Bericis prope *Vicenza,* Apr. 1879. — *Obs.* Forma peridiolis plerumque regulariter quadrifidis in *Eranthi hiemali* occurrit (Parmæ, Passerini), dum forma in *Anemone* peridiolis multifidis et crebrioribus distinguitur.

18. **Æcidium Leucoji** Bergam. (1824), Bals. & DNtrs. Erb. critt. ital. Ser. II. n. 99. In foliis Leucoji æstivi in agro Veneto (Herb. Patavinum).

19. **Æcidium Bunii** DC. f. *Athamanthæ cretensis* et f. *Laserpitii Sileris.* In foliis earumdem plantarum *in Cadore* (S. Venzo).

20. **Graphiola Phœnicis** Poit. Sacc. Mycoth. Ven. n. 1322. In foliis Phœnicis dactyliferæ in

Horto Patavino, Sept. 1878 — Filamenta striata 10–15 micr. crassa. Sporæ e sphærico subangulosæ 3–4 micr. d. hyalinæ.

Phycomyceteæ *de Bary.*

21. **Peronospora Stachydis** Thüm., Sacc. Mycoth. Ven. n. 1337. In foliis Stachydis palustris *a Conegliano,* Oct. 1878.

Pyrenomyceteæ *Fr.*

22. **Gnomonia bifrons** (DC.) Awd. in Rabh. Mycol. Europ. p. 22. t. 8 fig. 118. *Hypospila quercina v. bifrons* Fr., Cke Hndb. 930 — In foliis quercinis emortuis, in sylva *Montello,* Oct. 1878 — Asci cylindraceo-clavati 50–55 = 10–11, apice 2—foveolati, 8–spori; sporidia oblonga, inæquilateralia, 10–12 = 4, guttulata (ob immaturitatem 1–septata non vidi), Forte status *Gnomoniæ Pustulæ* (Pers.) (seu *Hypospilæ quercinæ* Michelia 28), ut mavult cl. Winter, sed transitum nondum observavi.
23. **Diaporthe Berkeleyi** Nke f. **Ferulaginis** M. Ven. n. 1345. — In ejusdem caule *a Belluno,* Oct. 1878 (Speg.) — Monente cl. Cooke in litt. hæc species diversa est a *Sphæria Berkeleyi* Dmz. (Cfr. Cke Hndb. p. 883, Kx Flandr. I. 340.) Et profecto exemplaria mea a descriptionibus l. c. differunt; sed optime conveniunt cum descriptione Nitschkei Pyr. Germ. 273, quacum comparavi.
24. **Rhaphidophora Urticæ** Rabh. In caulibus Urticæ dioicæ prope *Possagno,* vere 1879 (Art. Rossi). Perithecia denique subsuperficialia, globoso-conoidea, tandem collabascentia, basi villosula. Asci *maturi* 150–160 = 14, cylindraceo-clavati; sporidia *matura* cylindracea, curvula, 150 = 4, multiguttulata, septataque, flavida, loculo unico supra medium leniter protuberante.

25. **Rhaphidophora acuminata** (Sow.) Sacc. Mycoth. Ven. n. 1371 — In caulibus emortuis Cirsii lanceolati *a Conegliano,* Oct. 1878 (Speg.)
26. **Lophiotrema pusillum** (Fckl.) S. In calamis (Holoschæni?) *a Abano* (*Padova*) vere 1879 (Bizz.) — Perithecia minima, $^1/_6$ mill. d., ostiolo vix emergente, compresso; asci clavati 80 = 13–15, paraphysati, 8–spori; sporidia oblonga, obtusiuscula, 15–18 = $4^1/_2$–5, curvula, constricto–3–septata, 4–guttata, hyalina.
27. **Lophiostoma insidiosum** (Dmz.) C. DNtrs. ***L. gramineum** S. Mycoth. Ven. n. 1347. A typo recedit peritheciis in cubile superficie atroinquinato, majoribusque, ascis sporidiisque etiam paulo majoribus; nempe: perithecia $^1/_3$ mill. d.; asci 90–100 = 10–12; sporidia 25–32 = 5, more solito 5–septata, minute pluriguttulata, flavofuliginea, hyalino–appendiculata.
28. **Nectria hirtella** S. & S. Mycoth. Ven. n. 1373. Peritheciis gregariis, minutis, $^1/_8$ mill. d. globulosis, papillulatis e flavo fulvis, undique densiuscule albo–pilosis; pilis conidia ovoidea, 4–5 = 3, 2–guttulata, hyalina gerentibus; ascis cylindraceo–clavatis, 40–50 = 6–7, aparaphysatis, octosporis; sporidiis distichis, oblongo–fusoideis, 12–14 = $2^1/_2$–$3^1/_2$, curvulis, denique tenuiter 1–septatis et vix constrictis, 4– (raro pluri–) guttulatis, hyalinis.

   Hab. in culmis putrescentibus Arundinis Donacis, *a Conegliano* Iulio 1878.

   Obs. A *Nectria Ralfsii* B. & Br., Rabh. F. Eur. n. 2040 peritheciis triplo minoribus, non collabascentibus &c. differt.
29. **Aponectria inaurata** (B. & Br.) S. Michelia 296 et 464. ***subtersa**; peritheciis cupulatis, non v. vix aureo–pruinosis; ascis spermatiophoris 100–110 = 15 spermatia oblonga 4 = $1^1/_4$ hyalina includentibus; ascis octosporis 70–80 = 10, sporidia disticha oblonga, 10–$2^1/_2$–3, 1–septata leniter constricta, utrinque appendiculata, hyalina includentibus — In ramis corti-

catis Cratægi Oxyacanthæ *a Possagno*, vere 1879 (Art. Rossi).

Tuberaceæ *Vitt.*

30. **Tuber Borchii** Vitt. Monogr. t. I. f. III. Cda Icon. VI. p. 79. fig. 139 (nomine *Tuberis elegantis*). *T. album* Bull. t. 404; *T. albidum* Pic., Meleth. p. 79 — In Horto botanico in ollis, Sept. 1874 — Sporidia ovoidea, 45 = 30, eximie reticulata, fuligineo-fusca; asci ovoidei, 2-3-spori.

Discomyceteæ *Fr.*

31. **Embolidium italicum** S. Mycoth. Ven. n. 1389 et Michelia 418. Monente cl. doct. Rehm fungillus hic nil est nisi *Calycium parietinum* Nyl, quod, teste Körber Parerg. lichen. 290 a *Calycio pusillo* (Flk.) Körb. specifice non differt. Genus *Calycium*, ut notum est, lichenibus lubentius adscribitur.

32. **Peziza** (Acetabula) **Rehmiana** S. — *P. ancilis.* Rehm Asc. 402, Cke Mycogr. fig. 372, nec Pers. Ad terram uliginosam *a Conegliano e Padova*, vere 1879. Asci cylindracei, p. s. 150 = 15, paraphysibus filiformi-clavulatis hyalinis obvallati, octospori; sporidia oblongo-ovoidea, 22-24 = 12-14, crasse 1-guttata, hyalina.

33. **Peziza** (Geoscypha) **sepiatrella** S. Ascomatibus sessilibus, applanato-subconcavis, 10-12 mill. d., glabris, rugulosis, umbrinobrunneis, disco saturatiore; ascis cylindricis, prælongis, p. s. 200 = 14-15, deorsum attenuatis, apice obtusis, jodi ope, præcipue obturaculo cærulescentibus, paraphysibus filiformibus, apice clavulatis fuscisque obvallatis, 8-sporis; sporidiis ovoideo-oblongis levibus, 20-24 = 10, 2-guttatis, hyalinis, oblique monostichis.

Hab. in uliginosis, socia *Marchantia, a Conegliano*, vere 1879 (Speg.).

Obs. Affinis hinc *P. Saccardianæ* Cke, illinc *P.*

sepiatræ Cke, a prima differt sporidiis longioribus et levibus, ab altera, cui affinior, sporidiis longioribus distincte 2-guttatis, paraphysibus apice fuligineis &c. — Asci etiam in *P. sepiatra* sec. exempl. Phillips Helv. Brit. n. 105 jodi ope apice cærulescunt.

34. **Peziza** (Scutellinia) **rubra** Cke Mycogr. fig. 152 (et ex ipso auctore). In Euganeis humi, Majo 1879 — Ascomatis setulæ cuspidatæ, 120–150 = 20, pauciseptatæ fuligineæ. Asci cylindrici p. s. 120 = 18, paraphysibus filiformi-clavulatis, sursum rubescentibus obvallati, octospori. Sporidia oblique 1-sticha, ovoideo-oblonga, 18–22 = 11–12, eguttulata, hyalina.

35. **Peziza** (Scutellinia) **lentiformis** Pers., Cke Mycogr. ined. (testibus Cke & Phillips). In Euganeis (*Padova*) in terra humosa, cum præcedente, Majo 1879 Ascomatis setulæ filiformi-cuspidatæ, 200 = 18–20, septatæ fuligineæ; asci cylindrici, paraphysibus filiformibus apice obtusis, granulosis hyalinis; sporidiis subdistichis ovoideis, 12–15 = 7–8, eguttulatis, hyalinis.

Myxomyceteæ *de Bary.*

36. **Clathroptychium cinnabarinum** S. Peridiis prismaticis, longe diffusis arcteque constipatis, $^1/_3$–$^1/_2$ mill. altis, vivide cinnabarinis, supra (operculo) atro-purpureis, nitidulis, in hypothallo membranaceo erectis, sessilibus; sporis globosis, levibus, 9–12 micr. d., cinnabarinis, guttulatis; floccis ex operculo descendentibus crassiuscule filiformibus, fuligineis.

Hab. in ligno putri quercino, ubi acervulos 4–6 cent. longos applanatos efficit, in sylva *Montello* Dec. 1878.

Obs. Peridiis anguste prismaticis, sporis levibus, cinnabarinis paulo majoribus, totiusque plantæ maturæ colore diverso a *Cl. ruguloso* (Wallr.) non parum recedere videtur.

37. **Badhamia inaurata** Curr., Cke & Rost. Myx. 28. In Muscis ad Salices *a Sermide* prope *Mantova,*

Oct. 1878 (Magnaguti) — Sporæ globosæ, echinulatæ, 15–20 micr. d. atroviolaceæ.

38. **Didymium Serpula** Fr., Cke & Rost. Myxom. 30, 82. In caulibus nondum emortuis herbarum in *M. Sol* prope *Possagno* vere 1879 (Art. Rossi) — Sporæ globosæ, leves, 10–12 micr. d. violaceæ, nucleo majusculo saturatiore. Flocci hyalini in ganglia angulosa lutescentia confluentes.

APPENDIX

39. **Agaricus** (Clitocybe) **neapolitanus** Pers. Mycol. Europ. III. 73. Comes F. Napol. p. 12. Ag. Coffeæ Brig. Hist. Fung. Neap. p. 51. tab. 23–26. — In sedimento decocti coffeici, in umbrosis *a Padova,* Julio 1879 (L. Vido). — *Obs.* Totus glaber, et albus, sed pilei margo dilute cinerascens. Pileus sæpe valde excentricus, ut species ad Pleurotos possit quoque referri. Basidia cylindraceo–clavata, 30 × 7–8, apice obtuso. Sporæ oblongæ, curvulæ, 9–10 = 4, deorsum brevissime apiculatæ, nubilosæ, hyalinæ.

FUNGI aliquot Ticinenses, auctore P. A. Saccardo.

Mycetes aliquot in provincia Papiensi jam ante semisæculum lectos a præclaro botanico Dom. Nocca et multis abhinc annis, cum collectione Morettiana, in Herbarium Patavinum translatos examini subjeci eo præcipue fine ut fungorum species nonnullæ, quæ in tomo II *Floræ Ticinensis auct. Nocca et Balbis* enumerantur, nova et rectiore synonymia illustrarentur. Clar. Doct. R. Pirotta in suo *Elenco dei Funghi della prov. di Pavia, Cent. I* (1876) mycetes hypodermeos et erysipheaceos Noccæanos citavit, sed, ut videtur, exemplaria authentica non examinavit.

Hymenomyceteæ *Fr.*

1. **Agaricus** (Lepiota) **procerus** Scop., Fl. Tic. II. 308! — *Pavia.*
2. **Agaricus** (Clitocybe) **laccatus** Scop. *A. amethysteus* Pers., Fl. Tic. II. 330! — *Pavia.*
3. **Agaricus** (Omphalia) **Fibula** Bull. Ad semitas horti *Belgiojoso* inter muscos, Jun. 1815.
4. **Agaricus** (Pholiota) **præcox** Pers. — *Pavia.*
5. **Agaricus** (Hebeloma) **rimosus** Bull., Fl. Tic. II. 312! — *Carbonara.*
6. **Agaricus** (Psalliota) **campestris** L., *A. edulis* Pers. Fl. Tic. II. 322!
7. **Agaricus** (Inocybe) **lanuginosus** Bull., Fl. Tic. II. 312! — *Carbonara.*
8. **Agaricus** (Hypholoma) **fascicularis** Huds. — *Pavia.*
9. **Russula integra** (L.) Fr. *Hg. pectinaceus* Fl. Tic. II. 327! — In hortis *Belgiojoso.*
10. **Lactarius subdulcis** (Bull.) Fr. *Ag. subdulcis* Fl. Tic. II. 325! — In hortis *Belgiojoso.*

11. **Hygrophorus conicus** (Scop.) Fr., *A. conicus* Fl. Tic. II. 315! — *S. Colombano.*
12. **Lentinus tigrinus** (Bull.) Fr., *Ag. tigrinus* Fl. Tic. II. 329! — In hortis *Belgiojoso.*
13. **Boletus luridus** Schäff., *B. rubeolarius* Fl. Tic. II. 335! — In sylva *Belgiojoso.*
14. **Polyporus** (Apus) **versicolor** (L.) Fr. *Boletus versicolor* Pers., Fl. Tic. 339; *Bol. mucidus* Herb. Nocca! sed vix Fl. Tic. — Frequens in agro Papiensi.
15. **Trametes suaveolens.** (L.) Fr. f. **subresupinata.** *Boletus Medulla panis* Fl. Tic. II. 340!
16. **Clavaria grisea** Pers., Fl. Tic. II. 344. t. XXVIII. f. 3!–*Belgiojoso.* Sporidia globoso-ellipsoidea, 7 × 7–8, basi brevissime apiculata, fumose hyalina (nec brunneo-rufa); an ergo potius *Cl. cinerea* Bull., Fr. Hymen. 668.
17. **Clavaria setosa** Balb. & Nocca Fl. Tic. II. 345 t. XXII. f. 2. A. B! In pratis montanis ad muscos — Sporæ globulosæ, basi brevissime apiculatæ, $3^1/_2$–4, hyalinæ. *Cl. Kunzei* Fr. Hymen. 669 huic affinis. Color fungi e speciminibus siccis exacte non eruitur, nec in Fl. Tic. indicatur.
18. **Craterellus lutescens** (Pers.) Fr. *Merulius Hydrolipis* Fl. Tic. II. 333! an DC. — *Belgiojoso* ad terram.
19. **Thelephora coralloides** Fr. *Clavaria amethystea* Herb. Nocca! sed vix Fl. Tic. In horto *Belgiojoso,* Junio 1815.

Lycoperdaceæ *Fr.*

20. **Lycoperdon excipuliforme** Scop., Fl. Tic. II. 354! — In graminosis — Sporæ globosæ, $3^1/_2$–4 micr. d., minute echinulatæ (ut habet Quelet Champ. Jura, p. 368, nec leves ut describit Karst. Mycol. Fenn. III. 362), rufo-olivaceæ.
21. **Scleroderma verrucosum** (Bull.) Pers., Fl. Tic. II. 355. Videtur, sed exemplar immaturum. — *Carbonara.*

Nidulariaceæ *Fr.*

22. **Cyathus striatus** (Huds.) Hoffm., Fl. Tic. II. 365! — *S. Colombano.*

Hypodermeæ *de Bary.*

23. **Ustilago Caricis** (Pers.) Fckl. *Uredo Urceolorum.* DC., Fl. Tic. II. 362! In ovariis Caricis præcocis, *a Belgiojoso.*
24. **Ustilago segetum** (Pers.) Ditm. *Uredo* Fl. Tic. II. 361! In ovariis Avenæ sativæ *a Cadarò,* Junio 1815.
25. **Melampsora salicina** Lév. *Uredo Salicis* DC., Fl. Tic. II. 362 t. XXV. f. 4! In foliis Salicis albæ *a Broni,* Jul. 1815.
26. **Melampsora Carpini** (Lib.) Fckl. In ejusdem foliis in agro Papiensi (herb. Nocca!).
27. **Uromyces Viciæ Fabæ** (Pers.) Schröt., *Uredo Fabæ* Fl. Tic. II. 20! (in omissis). In ejusdem foliis *a Stradella.*
28. **Uromyces Laburni** (DC.) Fckl. *Puccinia Laburni* Fl. Tic. II. 365. In foliis Cytisi Laburni *a Stradella.*
29. **Puccinia fusca** (Sow.) Schröt. *P. Anemones* Pers., Fl. Tic. II. 363! In foliis Anemones nemorosæ *a S. Colombano,* et Pulsatillæ *alla Cava.*
30. **Puccinia Violarum** Link., *Uredo Violæ* Fl. Tic. II. 361. In foliis Violæ odoratæ prope *Sabbione,* Aug. 1815.
31. **Puccinia suaveolens** (Pers.) Schröt., *Uredo suaveolens* Fl. Tic. II. 361! In foliis Cirsii arvensis *a Broni,* 1813.
32. **Puccinia Betonicæ** DC. In foliis Betonicæ officinalis, 1813. *Æcidium* in *Betonica* Nocca Herb.! — *Uredo vagans* Fl. Tic. II. 361 t. XXV. f. 3.
33. **Puccinia Scirpi** Lk. — *P. Junci* Pirotta Funghi

Pav. n. 8, nec Dmz. In calamis Scirpi lacustri prope Papiam (Pirotta!).

34. **Phragmidium asperum** Wallr., *Puccinia Rosæ* DC., Fl. Tic. II. 363! In foliis Rubi fruticosi frequens.

35. **Phragmidium Rosarum** Rabh., *Puccinia Rosæ* DC., Fl. Tic. II. 364! In foliis Rosæ centifoliæ, frequens, 1815.

36. **Phragmidium obtusum** Kze & Schm., *Uredo Potentillæ* Fl. Tic. II. 20! (in omissis). In foliis Potentillæ vernæ (Uredosp. et teleutosp.).

37. **Cæoma Evonymi** (Mart.) Schröt., Pirotta Fungh. Pav. n. 56. *Erysiphe Evonymi* herb. Nocca! In foliis Evonymi europæi.

38. **Æcidium Nymphoidis** DC., Fl. Tic. II. 359! — Prope Papiam in foliis Menyanthis nymphoidis.

39. **Æcidium Berberidis** Pers., Fl. Tic. II. 360! — In foliis ejusdem.

40. **Æcidium Clematidis** DC., Fl. Tic. II. 359! — In foliis Clematidis Vitalbæ, Julio 1815.

41. **Æcidium rubellum** DC., Fl. Tic. II. 360! — In foliis Rumicis obtusifolii, *a S. Lanfranco.*

42. **Æcidium Cyparissiæ** DC., Fl. Tic. II. 358 cum ic.! — In foliis Euphorbiæ Cyparissiæ, frequens.

43. **Æcidium Rhamni** Pers., *Æ. crassum* Fl. Tic. II. 359 p. p.! — In foliis Rhamni cathartici *alla Torretta.*

44. **Æcidium quadrifidum** DC. *Æ. platyodon* Fl. Tic. t. XXVI. f. 1! (descriptio in textu desideratur). — In foliis Eranthis hiemalis.

45. **Rœstelia cancellata** Reb. In foliis Pyri communis, Herb. Nocca!

Phycomyceteæ *de Bary.*

46. **Cystopus candidus** (Pers.) de Bary. *Uredo candida* Pers. Fl. Tic. II. 363 t. XXV. f. 2! — In Capsella Bursa Pastoris *a Linarolo.*

47. **Sporodinia grandis** Lk. (1824), *S. dichotoma* Cda (1837). *Mucor rufus* Pers. Fl. Tic. II. 357. *Mucor ramosus* Bull., Nocca Herb.! — In semiputrido Agarico vaginato, Aug. 1815.

Pyrenomyceteæ *Fr.*

48. **Hypoxylon fuscum** (Pers.) Fr. *Sphæria melogramma* Fl. Tic. II. 297! — In cortice arborum in sylva *Carbonara.*
49. **Phyllachora Ulmi** (Sow.) Fckl. *Sphæria xylomoides* Fl. Tic. II. 298 t. XXIII. f. 1! In foliis Ulmi campestris.
50. **Epichloe typhina** (Pers.) Tul. *Sphæria typhina* Pers., Fl. Tic. II. 299! — In culmis Poarum in sylva *S.ª Sofia,* 3. Jun. 1815.
51. **Polystigma rubrum** (Pers.) DC. *Xyloma rubrum* Pers., Fl. Tic. II. 301, t. XXV. f. 1! — In foliis Pruni spinosæ *a Pavia,* Aug. 1815.
52. **Dichæna quercina** (Pers.) Fr. In ramis corticatis quercinis in agro Papiensi (Nocca! absque nom.).

Discomyceteæ *Fr.*

53. **Rhytisma acerinum** (Pers.) Fr. *Xyloma acerinum* Pers. Fl. Tic. II. 301 t. XXV. fig. 5! — In foliis Aceris campestris.
54. **Phacidium Medicaginis** Lib., *Puccinia Trifolii* Herb. Nocca! an Fl. Tic. II. 365. — In foliis Medicaginis sativæ.
55. **Peziza** (Humaria) **araneosa** Bull., Fl. Tic. II. 350! — In sylva Com. Triultii supra *Roncaro.* Ab icone in Cke Mycogr. fig. 54 sporidiis paulo crassioribus differt sed hoc ob exemplar obsoletum pendere potest. Vidi ascos cylindricos 125 ≈ 10; sporidia oblongo-fusoidea, 10–15 ≈ 4–6, 2–nucleata, hyalina.
56. **Peziza** (Scutellinia) **scutellata** Bull., Fl. Tic. II. 349! — In ligno putrido prope *S. Paolo.*

57. **Peziza** (Sepultaria) **hemisphærica** Wigg. *P. Labellum* Bull., Fl. Tic. II. 349! — In sylva *di Carbonara.*

58. **Peziza** (Sepultaria) **lanuginosa** Bull., Fl. Tic. II. 349! In sylvis *a Belgiojoso* — Setulæ ascomatis cuspidatæ, pluriseptatæ, fuligineæ; asci cylindrici, 150 = 12—14, paraphisibus filiformibus obvallati, octospori; sporidia oblongo—ellipsoidea, 20–22 = 10, farcta, hyalina, denique lenissime rugulosa. An var. *P. hemisphæricæ*?

59. **Helvella elastica** Bull. Fl. Tic. II. 346! — In sylvis.

Myxomyceteæ *de Bary.*

60. **Trichia chrysosperma** (Bull.) DC., Fl. Tic. II. 356! — In truncis prope sylvam *di Carbonara,* Augusto. — Sporæ globosæ, areolatæ, aureæ, 9–10 micr. d.; flocci apice abrupte et breve cuspidati, 6 micr. cr., spiriculis 4–5 levibus.

Imperfectæ *Fckl.*

61. **Cladosporium herbarum** (Pers.) Lk. *Dematium herbarum* Pers., Fl. Tic. II. 368 t. XXVIII. f. 3! — In foliis putridis.

62. **Ozonium auricomum** Lk. Ad cortices udos, putres. (Nocca herb.!, absque nom.).

REPERTORIUM

MYCOLOGIÆ VENETÆ

SEU INDEX ALPHABETICUS
FUNGORUM IN DITIONE VENETA HUCUSQUE COGNITORUM

(additis nonnullis extra-venetis)

CURA

ALOYSII VIDO

HORTI BOTANICI PATAVINI ADJUTORIS

CITATIONUM EXPLICATIO.

MS. = P. A. Saccardo, Mycologiæ Venetæ Specimen.
MV. = ejusdem, Mycotheca Veneta Cent. I—XV.
FV. = ejusdem, Fungi Veneti novi v. critici. Series I—V.
M. = ejusdem, Michelia, Fasc. I—V.
FI. = ejusdem, Fungi italici, Fasc. I—XVI. tab. 1—640.
Hymen. = Hymenomyceteæ.
Phall. = Phalloideæ.
Lycop. = Lycoperdaceæ.
Hypog. = Hypogeæ.
Nidul. = Nidulariaceæ.
Hypod. = Hypodermeæ.
Phycom. = Phycomyceteæ.
Pyren. = Pyrenomyceteæ.
Tub. = Tuberaceæ.
Discom. = Discomyceteæ.
Myxom. = Myxomyceteæ.
Sphærops. = Sphæropsideæ.
Hyphom. = Hyphomyceteæ.
Melanc. = Melanconiæ.

Litteris rectis impressa sunt nomina generum, specierum et varietatum recepta; litteris obliquis seu cursivis synonyma.

Cruce notatæ sunt species extra-venetæ.

Emendotiones in fungorum v. auctorum nominibus (jam adhibitis in scriptis Saccardianis supra citatis) quæ in hac Indice suis locis inseruntur ab ipso auctore Saccardo adpositæ sunt.

A

Abrothallus DNtrs (Disc. v. Lichen).
Buellianus DNtrs MS. 156.
Smithii Tul. MS. 156.

Acalyptospora Dmz. (Hypod.?)
nervisequia Dmz. MV. 486. FV.v. 170.

Acetabula Fckl. (Discom.)
Calyx Sacc. MS. 168. *V.* Peziza.
vulgaris Fuch MS. 168. *V.* Peziza.

Acladium Nees (Hyphom.)
conspersum Lk. FV.v. 195.

Acremonium Lk. (Hyphom.)
alternatum Lk. M. 269.
atrum Cda M. 270.

Acrocylindrium Bon. (Hyph.)
granulosum Bon. FV.v. 194.

Acrospermum Tode (Pyren.)
compressum Tode M. 56.
f. Cirsii lanceolati M. 1579.
Graminum Lib. MS. 209. M. 514.

Acrostalagmus Cda (Hyph.)
cinnabarinus Cda MS. 108. M. 535.
f. corticis Ulmi campestris MV. 298.
f. Mori albæ MV. 1085.
f. Lauri nobilis MV. 1086.

Acrothecium Cda (Hyph.)
atrum (Pr.) Sacc. M. 73.
bulbosum Sacc. M. 74. FI. 60.
Caulium Sacc. M. 75. FI. 9.
pauciseptatum (Pr.) Sacc. M. 74. FI. 7. a.

pumilum Sacc. M. 73. Fl. 5.
purpurellum Sacc. M. 75. Fl. 8.
Solani Sacc. M. 74. Fl. 76.
tenebrosum (Pr.) Sacc. M. 74. Fl. 6. a.

Actinonema Pers. (Sphærops.)
Rosae Fr. MS. 198. MV. 355.

Actinothyrium Kze (Sphærops).
Graminis K. S. MS. 203.

Æcidium Gm. (Hypod.)
Asperifolii Pers MS. 83. MV. 42.
Aviculariæ Kze MS. 86.
Aristolochiæ Berg. M. 242. MV. 1147.
Behenis DC. MS. 80. MV. 881. M. 11.
Berberidis Gm. MS. 84. MV. 132. 395. M. 550.
bifrons L. DC. MV. 65. (Il. ed.)
Bunii DC. M. 541.
Clematidis DC. MS. 84. M. 550.
Centaureæ DC. MS. 80. M. 241. MV. 1145.
Cirsii DC. MS. 81.
Convolvulacearum Ces. MS. 83. MV. 394.
crassum Pers MS. 84. MV. Cent. XV.
Cyparissiæ DC. M. 242. V. 550. MV. 1149.
Chærophylli Kirchn. M. 364.
Compositarum Mart. M. 454.
Euphorbiæ Pers. MS. 87.
Erythronii DC. MS. 87. MV. 790.
Ficariæ Thm. MV. 396.
Galii Pers. MV. 454.
Lactucæ Opiz. MS. 80.
Leucanthemi DC. M. 242. MV. 1146.
leucospermum DC. M. 541.
Leucoji Berg. M. 541.
Menthæ DC. MS. 82.
punctatum Pers MS. 79.
Phaseolorum (Wallr) Bary MS. 85.
Plantaginis Ces. M. 241. MV. 1144.
quadrifidum DC. M. 541. 550.
Ranunculacearum DC. MS. 85.
f. Ranunculi bulbosi MV. 789.
Rumicis Schlechtd. MS. 87. MV. 1329. M. 550.
Rhamni Pers M. 503. 550.
f. Rhamni cathartici MV. 883.
f. R. saxatilis MV. 884.
Scrophulariæ DC. M. 11.
Smyrnii Bagnis M. 503. 353.
Tussilaginis Gm. MS. 85. MV. 133.
Tragopogonis Pers. MS. 81. MV. 484.
Thesii Chaill. MS. 82.
Trifolii repentis Cast. MS. 86. MV. 397.
Taraxaci Schm. M. 11. MV. 882.
Urticæ DC. MS. 85. FV. v. 210. MV. 43.
Violæ Schm. MS. 79. MV. 1328.
Viciæ Opiz. MS. 86.
Xylostei Wallr. FV. v. 171.

Æcidiolum Ung (Hypod.)
Convolvuli Sacc. M. 12. MV. 885.
Cirsii (Lasch) Sacc. M. 12.
colliculosum (Bk.) Sacc. MV. (Myxosp.)
f. Aroniæ MV. 399.
f. Ariæ MV. 398.
f. Aucupariæ MV. 400.
exanthematicum Ung. M. 11.
f. Cyparissiæ MV. 1150.
f. Euphorb. dulcis MV. 1151.
Mercurialis (Lib) S. M. 503.
minutellum Speg. M. 477.
Tragopogonis Sacc. M. 11. MV. 1334.
Tussilaginis Sacc. M. 242.

Æthalium Lk. (Myxom.)
septicum (L) Fr. MS. 173 MV. 963.
vaporarium (Bull.) Fr. MS. 173.

Agaricus L. Hymen.)
1. Amanita Pers.
asper Fr. MS. 11.
cæsareus Scop. MS. 10.
excelsus Fr. MS. 11.
muscarius L. MS. 11.
Mappa Willd. MS. 11.
phalloides Fr. MS. 10.
var. ater MS. 10.
pantherinus DC. MS. 11.
ovoideus Bull. MS. 10.
vaginatus Bull. MS. 11.
var. lividus (Sw.) MS. 11.
var. spadiceus (Pers) MS. 11.

2. Armillaria Fr.
aurantius Schäff. MS. 13.
melleus Vahl MS. 13. MV. 804.
mucidus Schrad. MS. 13.

3. Claudopus Sm.
byssisedus Fr. MS. 26.
inæquabilis Sacc. MS. 26.
variabilis Pers. MS. 26. MV. 422.

4. Clitocybe Fr.
aggregatus Schäff. MS. 16. MV. 305.
amplus Pers. M. 361.
candidus Pers. MS. 16.
Catinus Fr. MS. 16.
cyathiformis Fr. MS. 16.
ditopus Fr. MS. 17.

ericetorum Bull. MS. 16.
flaccidus Sow. MS. 16.
fragrans Sow. MS. 17.
gilvus Pers. MS. 16.
infundibuliformis Schäff. MS. 16.
laccatus Scop. MS. 17. MV. 806.
var. amethystinus (Bolt.) MS. 17.
nebularis Batsch MS. 15.
neapolitanus Brig. M. 546.
pachyphyllus Fr. MS. 17.
subalutaceus Batsch MS. 15.
Orcella Bull. MS. 24.
var. minor. MS. 24.
Prunulus Schæff. MS. 24.

6. Collybia Fr.
contortus Bull. MS. 17.
confluens Pers. MS. 18. MV. 1.
dryophilus Bull. MS. 18.
esculentus Jacq. MS. 18.
fusipes Bull. MS. 17.
longipes Bull. MS. 17.
radicatus Relh. MS. 17.
velutipes Curt. MS. 18. MV. 1. (II. ed.) 1108 (I. ed.).

7. Crepidotus Fr.
Cesatii Rabh. M. 2.
mollis Schäff. MS. 30.

8. Deconica Smith.
coprophilus Bull. MS. 32.

9. Entoloma Fr.
clypeatus L. MS. 24.
var. minor MS. 24.
rhodopolius Fr. MS. 24.
sericellus Fr. MS. 23.
sericeus Bull. MS. 24.
sinuatus Fr. M. 2. MV. 807.

10. Flammula Fr.
flavidus Schäff. MS. 28.
vinosus Bull. MS. 28. MV. 419.

11. Galera Fr.
Hypnorum Batsch. MS. 30.
var. Bryorum Pers. MS. 30.
lateritius Fr. MS. 30.
tener Schäff. MS. 30.

12. Hebeloma Fr.
Clavus Batsch. MS. 28.
fastibilis Pers. MS. 28.
fastigiatus Schäff. MS. 27.
geophyllus Sow. MS. 28.
punctatus Fr. MS. 28.
rimosus Bull. MS. 27. M. 547.
var. destrictus Fr. MS. 27.

13. Hypholoma Fr.
appendiculatus Bull. MS. 32.
var. minor MS. 32.
var. pallens MS. 32.
fascicularis Huds. MS. 31. MV. 809. M. 547.
hydrophilus Bull. MS. 32.
lacrymabundus Fr. MS. 31.
sublateritius Fr. MS. 31.
velutinus Pers. MS. 31.

14. Inocybe Fr.
lanuginosus Bull. M. 547.

15. Lepiota Fr.
acutesquamosus Weinm. M. 1.
cretaceus Bull. MS. 12.
clypeolarius Fr. MS. 12.
citrinus Pers. MS. 12.
excoriatus Fr. MS. 11.
ermineus Fr. MS. 12
granulosus Batsch. MS. 12.
α Carcharias (Pers.) MS. 12.
β amianthinus (Scop.) MS. 12.
γ cortinatus Sacc. MS. 12.
naucinus Fr. MS. 12.
procerus Scop. MS. 11. M. 547.

16. Leptonia Fr.
Æthiops Scop. MS. 24.
Bizzozerianus Sacc. MS. 25.
chalybæus Pers. MS. 25.
euchrous Fr. MS. 25.
lampropus Fr. MS. 24.

17. Mycena Fr.
Adonis Bull. MS. 18.
Acicula Schäff. MS. 20.
chloranthus Fr. MS. 18.
corticola Schum. MS. 20.
capillaris Schum. MS. 20.
dilatatus Fr. MS. 20.
flavo-albus Fr. MS. 19.
filopes Bull. MS. 19.
var. asterigenus MS. 19.
gypseus Fr. MS. 19.
galericulatus Scopol. MS. 19.
var. albidus MS. 19.
var. fulvellus MS. 19.
var. rhodophyllus MS. 19.
hiemalis Orb. MS. 20.
inclinatus Fr. MS. 19.
lineatus Bull. MS. 19.
var. atro-cinereus MS. 19.
lacteus Pers. M. 435.

polygrammus Bull. MS. 19.
rugosus Fr. MS, 19.
rosellus Pers. M. 435.
vitilis Fr. MS. 20.

18. Naucoria Fr.
conspersus Pers MS. 29.
var. uliginosus Fr. MS. 29.
Erinaceus Fr. MS. 29.
horizontalis Bull. MS. 26.
leimophilus (Poll.) Heufl. MS. 29.
pygmæus Bull. MS. 28.
pediades Fr. MS. 29.
rimulincola Lasch. FV.v. 161. MV. 423.
semiorbicularis Bull. MS. 29.
segestrius Fr. MS. 29.
tabacinus DC. MS. 29.

19. Nolanea Fr.
mammosus L. MS. 25.
pascuus Pers. MS. 25.
pleopodius Bull. MS. 25.

20. Omphalia Fr.
chrysophyllus Fr. MS. 20.
Fibula Bull. MS. 21. M. 547.
var. candidus Fr. MS. 21.
hydrogrammus MSFr. . 20.
setipes Fr. MS. 21.
umbilicatus Schäff. MS. 20.
umbelliferus L. M. 1.
var. umbrinus M. 1.

21. Panæolus Fr.
campanulatus L. MS. 33.
fimiputris Bull. MS. 33.
papilionaceus Bull. MS. 33.

22. Pholiota Fr.
Ægirita Brig. MS. 27.
destruens Brond. MS. 27.
mutabilis Schäff. MS. 27.
præcox Pers. MS. 26. M. 501. 547.
pudicus Bull. MS. 27. MV. 808.
squarrosus Müll. MS. 27.

23. Pleurotus Fr.
applicatus Batsch MS. 22. MV. 2.
var. albidus MS. 22.
var. atratus MV. 1301. M. 539.
atro-cæruleus Fr. var. Canovianus MV. 1392. M. 539.
Craterellus DR. Lev. FV.v. 162. MV. 1106.
dryinus Pers MS. 21.
Eryngii DC. Mtv. 435.
lignicola Sacc. MS. 21.
olearius DC. MS. 22.
ostreatus Jacq. MS. 22.
petaloides Bull. MS. 22.
perpusillus Fr. M. 361.
porrigens Pers. MS. 22.
Sylvanus Sacc. M. 1.
salignus Pers. M. 435.
ulmarius Bull. MS. 21.

24. Pluteus. Fr.
cervinus Schäff. MS. 23.
umbrosus Pers. MS. 23.
nanus Pers. MS. 23.
Montellicus Sacc. MS. 23.

25. Psalliota Fr.
arvensis Schäff. MS. 30.
campestris L. MS. 30. M. 517.
sylvicola Vitt. MS. 30.
sylvaticus Schäff. MS. 30.

26. Psathyra Fr.
gyroflexus Paull. MS. 32.
gossypinus Bull. MS. 33.
obtusatus Fr. MS. 33.
spadiceo-griseus Schäff. MS. 32.

27. Psathyrella Fr.
disseminatus Pers. MS. 33. MV. 421.
stat. juvenilis MV. 420.
var. pallens. MS. 33.
gracilis Fr. MS. 33.
hiascens Fr. MS. 33.

28. Psilocybe Fr.
spadiceus Schäff. MS. 32.

29. Stropharia Fr.
æruginosus Curt. MS. 31.
obturatus Fr. MS. 31.
stercorarius Fr. MS. 31.

30. Tricholoma Fr.
argyraceus Bull. MS. 14.
albellus DC. MS. 14. MV. 803.
albus Fr. MS. 15.
acerbus Bull. MS. 15. MV. 802.
bufonius Pers. MS. 14.
var. minor. Sacc. MS. 14.
grammopodius Bull. MS. 15.
leucocephalus Bull. MS. 15.
murinaceus Bull. MS. 14.
Pes capræ Fr. MS. 14.
putidus Fr. MS. 15.
polyphyllus DC. M. 435.
Russula Schäff. MS. 13. MV. 801.
sejunctus Sow. MS. 13. M. 1.
var. versicolor Sacc. MS. 13.

var. fuscescens M. 1.
sulfureus Bull. MS. 14.
terreus Schäff. MS. 14.
vaccinus Pers. MS. 13.

31. Tubaria Fr.
furfuraceus Pers. MS. 29.

32. Volvaria Fr.
bombycinus Schäff. MS. 22.
glojocephalus DC. MS. 23.
parvulus Weinm. MS. 22.

Aglaospora DNtrs. (Pyren.)
profusa (Fr.) DNtrs. MS. 125. MV. 98. FI. 441. M. 460.
f. ostiolis exertis MV. 650.

Aleuria Fckl. (Discom.)
aurantia (Œd.) Fckl. MS. 167. MV. 1197. *V.* Peziza.
var. *purpurea* MS. 107.
carbonaria (A. S.) M. 431. *V.* Peziza.

Aleurodiscus Rabh. (Discom.)
amorphus (Pers.) Rabh. FV.iv. 30. MV. 727.

Alternaria Rees (Hyphom.)
tenuis Nees. MV. 297. M. 536.

Amblyosporium Fres. (Hyphom.)
umbellatum Harz. M. 271. MS. 184. (Briarea aurea).

Amphisphæria Ces. DNtrs. (Pyren).
culmicola Sacc. MS. 113. FI. 444. MV. 455.
*melanommoides FI. 624. M. 455.
conica (Lév.) C. et D. FI. 447.
ericeti S. et S. M. 374. FI. 321.
fallax DNtrs. MV. 458.
fœda DNtrs. MS. 112. FI. 445.
Loniceræ Sacc. MS. 113.
pseudoumbrina Sacc. MS. 112. FI. 443. M. 509.
papillata (Schum.) DNtrs. MS. 112. FI. 446.
Passerinii S. et S. M. 374. FI. 623.
Spegazziniana Sacc. M. 32. 99. FI. 135.
umbrina (Fr.) DNtrs. MS. 111. FI. 442.
Xylostei (Pers.) DNtrs. MS. 112. *V.* Anthostoma.

Angioridium Grev. (Myxom.)
sinuosum (Bull.) Grev. FV.v. 185.

Antennaria Lk. (Pyren.)
pithyophila Nees. Sacc. FV.v. 177. MV. 701. Consp. gen. Pyr. ital. pag. 17.

Anthina Fr. (Hymen.)
penicillata (Bull.) Fr. M. 540.

Anthostoma Nke (Pyren.)
alpigenum (Fckl.) Sacc. FV.iv. 18. FV.v. 211. M. 326. FI. 161. MV. 228.
decipiens (DC.) Nke. MS. 142. FV.iv. 18. M. 327. FI. 167. MV. 229.
gastrinum (Fr.) Sacc. MS. 143. FV.iv. 18. M. 327. FI. 169.
f. Carpini Betuli MV. 766.
f. Ulmi campestris MV. 941.
f. Rhamni cathartici FI. 170. A.
f. Quercus peduncul. FI. 170. B.
intermedium. Nke FV.iv. 18.
Italicum Sacc. et Sp. M. 326. FI. 165.
melanotes (B. et Br.) S. M. 320. FI. 164.
oreophilum Sacc. FV.v. 211. *V.* A. alpigenum.
Schmidtii (Awd.) Nke FV.iv. 18. M. 326. FI. 163. et 164.
f. Alni glutinosæ MV.
f. Castaneæ vescæ MV. 225.
tæniosporum Sacc. MS. 143. FV.iv. 18. M. 327. FI. 171. MV. 942.
turgidum (Pers.) Nke FV.iv. 18. M. 327. FI. 168.
urophorum Sacc. et Sp. M. 327. FI. 166.
Venetum Sacc. M. 25. M. 98. FI. 128.
Xylostei (Pers.) Sacc. FV.iv. 18. M. 326. FI. 162. MV. 227. MS. 112. (Amph.).

Anthostomella Sacc. (Pyren.)
appendiculosa (B. et Br.) Sacc. M. 244. M. 328. FI. 174. MV. 1190.
affinis M. 439.
delitescens (DNtrs.) Sacc. M. 328. FI. 173.
intermedia Sacc. M. 327. FI. 172.
italica Sacc. et Sp. M. 328. M. 439. FI. 178.
limitata Sacc. FV.iv. 1. M. 98. FI. 129.
nitidula Sacc. FV.iv. 2. M. 98. FI. 131.
nobilis Sacc. et Sp. M. 328.

Olearum Sacc. M. 25. M. 328. FI. 176.
phæostica (Berk.) Sacc. M. 374. FI. 374.
rostrispora (Ger.) Sacc. M. 25. 328. FI. 177.
tomicoides Sacc. FV.iv. 1. M. 98. FI. 130.
Tomicum (Lév.) Sacc. M. 374. FI. 373. et 506.
Unedonis (DNtrs.) Sacc. M. 328. FI. 175.

Antromyces Fres. (Hyph.)
Copridis Fres. M. 478.

Apiospora Sacc. (Pyren.)
Punctum Sacc. et Sp. M. 329. FI. 179. MV. 1268.
Striola (Pass) Sacc. FV.ii. 305. M. 329. FI. 180.
f. Gynerii argentei MV. 1343.
f. Arundinis Donacis MV. 907.

Apiosporium Kze (Pyren.)
fœdum Sacc. FV.ii. 299. Cfr. Capnodium Nerii.
Melampyri Sacc. M. 24g. MV. 1095.
pulchrum V. Dimerosporium pulchrum.
stygium Wallr. FV.v. 173. MV. 635.

Aponectria Sacc. (Pyren.)
inaurata (B. et Br.) Sacc. M. 286. M. 464.
*subtersa M. 543.

Aporia Duby (Pyren.)
Herbarum (Fr.) Duby M. 53.

Arcyria Hill. (Myxom.)
cinerea (Bull.) Fr. M. 71.
incarnata Pers. MS. 171.
nutans (Bull.) Fr. MS. 172.
punicea Pers. MS. 172.

Arthrinium Kze (Hyph.)
curvatum Kze. Schm M. 477.
puccinioides K. et S. MS. 182.

Arthrobotrys Cda (Hyphom.)
superba Cda. f. oligospora (Fres.) Coem. FV.v. 196. MV. 575.

Arthrobotryum Ces. (Hyphom.)
atrum Berk. et Br. MS. 181. M. 76. FI. 12. MV. 1288.
albicans Sacc. M. 75. FI. 10.
stilboideum Ces. M. 76. FI. 11.

Ascobolus Pers. p. p. (Discom.)
furfuraceus Pers. M. 69. M. 233.
immersus Pers. M. 233.
macrosporus Croran M. 233.
stictoideus Speg. M. 474.
viridis Curr. MV. 1386. M. 234.

Ascochyta Lib. em. (Sphærops.)
Aceris Lib. MS. 194. *V.* Septoria Aceris.
Armoraciæ Fuckl. MS. 194. *V.* Septoria Arm.
Aristolochiæ Sacc. M. 165.
Aucubæ Sacc. et Speg. M. 167.
ampelina Sacc. M. 158.
aquatica Speg. M. 483.
buxina Sacc. M. 169.
berberidina Sacc. M. 530.
Cannabis Lasch MS. 194. *V.* Septoria Cannabis.
Coryli Sacc. et Speg. M. 162.
Calycanthi Sacc. et Speg. M. 162.
Chloræ Sacc. et Speg. M. 163.
Calystegiæ Sacc. M. 165.
cornicola Sacc. M. 169.
carpinea Sacc. M. 170.
chlorospora Speg. M. 483.
Dianthi Lasch MS. 103. *V.* Septoria
Dulcamaræ Lasch. MS. 194. *V.* Septoria.
Daturæ Sacc. M. 163.
Ebuli Fuckl MS. 194. *V.* Septoria.
Epilobii Rabh. MS. 194. *V.* Septoria.
Emeri Sacc. M. 163.
Erythronii Sacc. et Speg. M. 163.
Elaterii Sacc. M. 166.
Fragariæ Sacc. M. 169.
graminicola Sacc. M. 127.
Hyperici Lasch. MS. 195.
Hellebori Sacc. FV.ii. 310. — FV.v. 204. — M. 169.
Ischæmi Sacc. M. 164.
limbalis Sacc. M. 161.
Lantanæ Sacc. M. 162.
Ligustri Sacc. et Speg. M. 165.
Laburni Sacc. M. 530.
Leguminum Sacc. M. 530.
Lamiorum Sacc. M. 170.
maculans Fuck. MS. 194.
Medicaginis Fuck. MS. 195.
malvicola Sacc. M. 161.
Marchantiæ Sacc. et Sp. M. 167.
Orobi Sacc. M. 161. — MV. 987.
Orni Sacc. et Speg. M. 168.
Oleandri Sacc. et Speg. M. 162.
Polygoni Rabh. MS. 194. *V.* Septoria.

Plantaginis Ces. MS. 194. *V.* Phyllosticta.
pyricola Sacc. FV.II. 311. — FV.V. 204. — M. 168. — MV. 518.
physalina Sacc. M. 93. 164. — FI. 88. — MV. 985.
Phaseolorum Sacc. M. 164. MV. 988.
Philadelphi Sacc. et Speg. M. 165.
Plantaginis Sacc. et Speg. M. 166.
Paliuri Sacc. et Speg. M. 166.
populina Sacc. M. 168.
Potentillarum Sacc. M. 170.
Phlomoidis Sacc. M. 530.
Quercus Sacc. M. 162.
Robiniæ Sacc. et Sp. (non Lib.) MS. 195. M. 163. 276.
rosicola Sacc. M. 164
Rubi Lasch. MS. 194. *V.* Phyllosticta.
Sorghi Sacc. FV.II. 302. — FV.V. 204. — M. 164.
scandens Sacc. M. 530.
sorghina Sacc. M. 167.
Sambuci Sacc. M. 168—530. MV. 886.
Tecomæ Sacc. M. 168.
Tini Sacc. M. 170.
Unedonis M. 530.
ulmella Sacc. M. 169.
Viburni Lasch MS. 194. *V.* Septoria.
Violæ Sacc. et Speg. M. 163.
Verbasci Sacc. et Speg. M. 166.
Weigeliæ Sacc. et Speg. M. 170.
zeina Sacc. M. 165.

Ascomyces M. et DR. (Discom.)
aureus (Pers.) Magn. M. 62. M. 516.
candicans Sacc. M. 118. (Taphrina).

Ascophanus Boud. (Discom.)
carneus (Pers.) Boud. M. 236.
cinereus (Cr.) Boud. M. 236.
granulatus (Bull.) Speg. M. 235.
granuliformis (Cr.) Boud. M. 235.
Holmskjoldii Hans. M. 432.
nitidus (Fckl.) Speg. M. 235.

Ascophora Tode. (Phycom.)
elegans Corda. MS. 86. Cfr. Mucor Mucedo.
Mucedo Tode MS. 90. *V.* Mucor stolonifer.

Ascospora Fr. (Sphærops.)
brunneola Fr. MS. 209. *V.* Septoria brunneola.
cruenta (Fr.) Str. MS. 92. MV. 70. V. Phyllosticta cruenta.
Potentillæ (Fr.) MS. 209. *V.* Venturia Potentillæ.
Rousseliana (Mont.) MS. 209. *V.* Nectriella Rousseliana.

Aspergillus Mich. (Hyphom.)
candidus Link. MS. 184. MV. 1062. (foliorum) M. 535.
carneolus Sacc. M. 77. FI. 18.
flavus (Pers.) Lk. MS. 184.
glaucus (Sow.) Lk. MS. 92. MV. 152. MS. 184.
var. ramosus MS. 184.
ochraceo-ruber Sacc. M. 77. FI. 17. MV. 1063.
phæocephalus Dur. et Mtgn. FV.V. 194. MV. 1244.
sterigmatophorus Sacc. MS. 184. *V.* Sterigmatocystis italica.
stercoreus Sacc. M. 78. FI. 19. MV. 1061.
virens Lk. M. 78. FI. 20.

Asteroma DC. (Sphærops.)
subradians Fr. M. 261.
vagans Desm. FV.V. 199.
f. Tiliæ Desm. FV.V. 199. MV. 531.
venulosum (Wallr.) Fckl. M. 261.
Pæoniæ West. M. 532.

Asterophora Ditm. (Hyphom.)
agaricicola Cda MV. 815.

Asterosporium Kze (Hyphom.)
Hoffmanni Kze M. 269. MV. 1069.

Atractium (Hyph.)
Therryanum Sacc. M. 535.

Auricularia Fr. (Hymen.)
mesenterica Bull. MS. 64. MV. 34. M. 502.
sambucina (Scop.) Mart. MS. 65. MV. 35.

Aylographum Lib. (Pyren.)
sarmentorum DNtrs M. 54.
vagum Dmz. M. 54. MV. 1175.

B

Bactridium Kze (Hyphom.)
flavum K. et S. MS. 189.

Badhamia Berk. (Myxom.)
hyalina (Pers.) Berk. FV.IV. 39.
inaurata Curr. M. 545.

macrocarpa (Ces.) Rost. FV.iv. 39.
utricularis (Bull.) Rost. FV.iv. 39.

Barya Fckl. (Pyrenom.)
† parasitica Fckl. M. 234.

Belonidium M. et DR. (Discom.)
Asteroma (Fckl. sub. Arachnopeziza A.) Sacc. MS. 164.
auratum (Fckl.) Sacc. M. 60.
basitrichum Sacc. FV.iv. 35. M. 97. FI. 113.

Bertia DNtrs. (Pyrenom.)
italica S. et S. M. 404. FI. 336.
lichenicola DNtrs. FI. 439. M. 492.
macrospora Sacc. M. 452. M. 99. FI. 136. MV. 651.
moriformis (Tode) DNtrs FI. 440.

Bispora Cda (Hyphom.)
monilioides Cda FV.v. 191. M. 78. FI. 22.
pusilla Sacc. M. 78. FI. 21.

Blitridium DNtrs. (Discom.)
hiascens (B. et C.) Sacc. M. 417.

Boletus L., Fr. (Hymen.)
æneus Bull. MS. 47.
castaneus Bull. MS. 48.
cyanescens Bull. MS. 48.
edulis Bull. MS. 47.
flavus With. M. 362.
granulatus L. MS. 46.
luridus Schäff. M. S47. M. 548.
luteus L. MS. 46.
olivaceus Schäff. MS. 46.
pachypus Fr. M. 3.
parasiticus Bull. MS. 46.
purpureus Schäff. MS. 47.
rimosus Vent. M. 3.
Satanas Lenz. M. 3.
scaber Bull. MS. 47.
— *B. aurantiacus Bull. MS. 47.
— *B. rimosus MS. 47.
subtomentosus L. MS. 46. MV. 417.
versipellis Fr. MS. 47.

Bombardia Fr. (Pyren.)
fasciculata Fr. MS. 114. MV. 163. FI. 437.

Botryosphæria C. DNtrs. (Pyren.)
advena C. DNtrs. M. 42. FI. 434.
Bérengeriana C. DNtrs. MS. 116 p. FV.iv. 4 p. p.
f. acutior FI. 431. M. 491.
f. ailanthina MV. 91 (*pycn.*), 655 (*asc.*).
f. *dispersa V.* Physalospora gregaria.
f. frangulina (typica) MV. 88. FI. 430.
f. juglandina MV. 654.
f. melanommoides FI. 433. M. 491. MV. 90 (populina).
Corni V. Physalospora Corni.
dispersa V. Gibberella.
Euphorbii Sacc. FV.iv. 5.
Galegæ Sacc. *V.* Physal. Galegæ.
moricola V. Gibberella.
nemorosa V. Lisea.
pithya Sacc. FV.iv. 5.
pulicaris V. Gibberella.
pustulata V. Physalospora.

Botrytis Pers. (Hyphom.)
acinorum (Pers.) Fres. MS. I85. MV. 292 (Polyactis).
Bassiana Bals. MS. 185. MV. 277.
carnea Schum MS. 185. MV. 1079.
coccotricha Sacc. M. 270.
epigæa Sk. FV.v. 195. MV. 360.
f. cinerea MV. 582.
fulva Lk. FV.v. 195. MV. 1080.
geniculata Cda FV.iv. 22.
griseola Sacc. FV.v. 195. M. 79. FI. 23. MV. 581.
phymatotricha Sacc. M. 79. FI. 24. MV. 1081.
terrestris Pers. MS. 185.
umbellata (Bull.) DC. MS. 185.
vulgaris (Pers.) Fr. MV. 291. (Polyactis). M. 535.

Brefeldia Rost. (Myxom.)
maxima (Fr.) Rost. FV.iv. 39.

Briarea Fckl. (Hyphom.)
aurea Fuck. MS. 184. V. Amblyosporium umbell.

Bulgaria Fr. (Discom.)
inquinans (Pers.) Fr. MS. 162. MV. 264.

C

Cacumisporium Pr. (Hyphom.)
tenebrosum Pr. FV.v. 193. *V.* Acrothecium tenebr.

Cæoma Lk. (Hypod.)
apiculosum et *C. rufum* Bon. *V.* Uromyces Phaseolorum.

Evonymi (Mart.) Schröt. MS. 75. M. 550.
excavatum Lk. MS. 75. (Uromyces).
filicum Lk. MS. 75.
Hypericorum (DC.) Schlechtd. MS. 75. *V.* Melampsora Hyperic.
Pyrolæ (Mart.) Schlecht. MS. 75.
Silenes Schlechtd. MS. 85. (Uromyces).
Vacciniorum Lk. MS. 207. *V.* Melampsora Vacciniorum.

Caldesiella Sacc. (Hymen.)
italica Sacc. M. 7. M. 98. M. 437. FI. 125. MV. 1306.

Calycium Pers. (Discom. v. Lich.)
parietinum Nyl. M. 418. 545. (Embol. italic.)

Calloria Fr. (Disc.)
Antenorea Sacc. M. 64.
coccinella (Somm.) Fr. FV.IV. 30. M. 428.
chrysocoma (Bull.) Fr. FV.IV. 31.
delicatula Karst. M. 429.
inflatula (Karst.) Sacc. M. 526.
leucostigmoides Sacc. M. 63. et 98. FI. 119.
miniata Batsch. M. 63.
pusilla Speg. M. 473.
rubicunda Sacc. et Speg. M. 429.
racheophila Sacc. et Speg. M. 430.
succinella Sacc. M. 62. et 430.
vinosa (AS.) Fr. MS. 161. FV.IV. 30.
vulgaris (Fr.) Sacc. M. 63.

Calocera Fr. (Hymen.)
cornea (Batsch) Fr. MS. 60.
palmata (Schum.) Fr. MS. 60.
viscosa (Pers.) MS. 60.

Calocladia Lév.
holosericea (Lk.) Lev. MS. 209. *V.* Microsphæra.

Calonectria DNtrs. (Pyren).
† aurigera (B et Rav.) Sacc. M. 308.
† agnina (Dmz). Sacc. M. 311.
† aurea (Cr.) Sacc. m. 314. Bloxami (B. et Br.) Sacc. FV.IV. 23. M. 309. et 330. FI. 196.
† Brogniartii (Cr.) Sacc. M. 314.
† Cucurbitula (Fr.) Sacc. M. 312.
† citrino-aurantia (De Lacr.) Sacc. M. 314.
† Curtisi (Berk.) Sacc. M. 316. Daldiniana DNtrs M. 307.
† duplicella (Nyl.) Karst. M. 310.
† decora (Wallr.) Sacc. M. 310.
† dacrymycella (Nyl.) Sacc. M. 314.
† erubescens (Dmz.) M. 309.
† flavitecta (B. et C.) Sacc. M. 309.
† funicola (B. et Br.) Sacc. M. 313.
† flavida (Cda.) Sacc. M. 313.
† Fuckelii (Nke) Sacc. M. 310.
† hirta (Blox.) Sacc. M. 307.
† helminthicola (B. et Br.) Sacc. M. 315.
† Jungermanniarum (Cr.) Sacc. M. 313.
† Leightonii (Bk.) Sacc. M. 309.
† Levieuxii (Fr.) Sacc. M. 813.
† luteola (Dmx.) Sacc. M. 315.
† luteo-fusca (Cr.) Sacc. M. 317. macrospora Sacc. et Speg. M. 251. 312—330—464. FI. 197. MV. 1275. minuscula Sacc. et Speg. M. 251—316—330. FI. 194. Massariæ (Pass.) Sacc. M. 312—330—251—354 (C. pyrrochlora) FI. 193.
† muscivora (B. et Br.) Sacc. M. 315. ochraceo-pallida (B. et Br.) Sacc. FV.IV. 23. M. 309—330. FI. 195.
† Oudemansii (West.) Sacc. M. 308.
† opalina (Cr.) Sacc. M. 311.
† obvoluta Karst. M. 316. *pyrrochlora* Sacc. M. 251—354. *V. C. Massariæ.*
† Plowrightiana Sacc. M. 307.
† Pseudo — Peziza (Dmz.) Sacc. M. 307.
† platasca (Berk.) Sacc. M. 308.
† pyrochroa (Dmz.) Sacc. M. 308.
† polythalama (Berk.) Sacc. M. 208.
† pulcherrima (B. et Br.) Sacc. M. 315.
† rigidiuscula (B. et Br.) Sacc. M. 313.
† Sceptri (Karst.) Sacc. M. 314. Tarvisina Speg. M. 464.
† Ulicis (Cr.) Sacc. M. 316.
† Volutella (B. et Br.) Sacc. M. 309.
† viburnicola (Cr.) Sacc. M. 311.
† xantholeuca (Kunze) Fr. M. 316.

Calosphæria Tul. (Pyren.)
affinis Nke FV.IV. 21. FI. 475.
ciliatula (Fr.) Karst. *Oxyacanthæ FI. 424. M. 491.
dryina (Curr.) Nke. FV.IV. 21. FI. 477.
minima Tul. MS. 149. FI. 478.
Princeps Tul. MS. 149. MV. 245. FI. 476.

tumidula Sacc. FV.iv. 20. FI. 474.
tædiosa Sacc. M. 368. FI. 479.
Wahlenbergii (Desm.) Nke FV.iv. 21.

Cantharellus Adans. (Hymen.)
aurantiacus (Wulf.) Fr. MS. 43.
cibarius (L.) Fr. MS. 43. MV. 812.
var. pallens MS. 43.
cinereus (Pers.) Fr. MS. 43. MV. 1304.

Capitularia Rbh. (Hypod.)
Polygoni Rbh. MS. 86, *V.* Uromyces Polygoni.

Capnodium Mtgn. (Pyren.)
Cesatii Mtgn. FV.v. 176.
st. conidioph. MV. 155.
st. ascoph. MV. 707.
Citri (Pers.) Berk. FV.v. 176.
elongatum Bk. et Dmz. M. 50.
f. Tussilaginis MV. 1098.
f. Catalpæ syringifoliæ MV. 1378.
Footii Rk. et Dmz. M. 50.
f. Hydrangeæ MV. 1099.
f. Cassinis Mauroceniæ MV. 1171.
Loniceræ (Fckl.) Sacc. MS. (Fumago).
Nerii Rabh. FV.v. 176. MV. 706.
(s. sperm.)
salicinum Mont. MS. 108. MV. 156.
f. Populi nigræ MV. 708.

Carcerina Fr. (Myxomyc.)
spumarioides Fr. MS. 173.

Caryospora DNtrs. (Pyren.)
callicarpa (Curr.) Nke. M. 451. M. 331. FI. 202.
Lichenopsis (Mass.) *V.* Melanomma Lichenopsis.
Olearum (Cast.). *V.* Melanomma
Putaminum (Schw.) DNtrs. M. 451. M. 331. FI. 201.

Celidium Tul. (Discom. v. Lichen.)
grumosum Körb. MS. 98. (Sphæria Lichenis sordidi).

Cenangium Fr. (Discom.).
Cerasi Fr. MS. 160.
dolosum Sacc. M. 58.
ferruginosum Fr. M. 419.
Fraxini Tul. M. 514.
juniperinum M. 419.
Ligustri (Tul.) Fckl. M. 58.
Pinastri Pers. FV.iv. 29.
pithyum (Fr.) F. M. 419.
Rosæ Sacc. MS. 160.

Cenococcum Fr. (Lycoperd.).
geophilum Fr. M. 417.

Cephalosporium Cda (Hyphom.).
Acremonium Cda M. 271.
macrocarpum Cda. M. 271.
stellatum Harz. FV. 194.

Ceratitium Rabh. (Hypod.).
cornutum (Pers.) Rbh. MS. 88. M. 365.
f. Sorbi aucupariæ MV. 485.
f. Aroniæ M. 365.
laceratum (Sow.) Rabh. M. 355.
f. Sorbi torminalis M. 365. MV. 63.
f. Ariæ M. 365. MV. 1330.
f. Oxyacanthæ M. 365.

Ceratium A. S. (Hyph.)
hydnoides A. S. MV. Cent. XV.

Ceratostoma Fr. (Pyren.)
caulicola Fckl. FV.v. 175. M. 330.
var. culmicola FV.v. 175. M. 330. FI. 186.
graphioides Sacc. M. 246. M. 330. FI. 183. MV. 1264.
Jani-collinum S. et S. M. 246. M. 330. vedi M. 354. FI. 184.
Notarisii Sacc. FV.ii. 308. M. 330. FI. 185.
piliferum Fr. (?) FV.v. 174.
rostratum (Tode) Fckl. M. 371.
Venetum Speg. M. 455. FI. 628.

Ceratostomella Sacc. (Pyren.)
cirrhosa (Pers.) Sacc. *C. lejocarpa M. 370. 488. FI. 345.
vestita Sacc. M. 370. FI. 344.

Cercospora Fres. (Hyphom.)
Armoraciæ Sacc. FV.v. 188. MV. 282.
Apii Fres. FV.v. 190. MV. 1053.
Asparagi Sacc. M. 88. FI. 70. MV. 1052.
althæina Sacc. M. 269.
Bellynchii (West.) Sacc. FV.v. 188.
beticola Sacc. FV.v. 189. MV. 597.
Bolleana (Thm.) Sp. M. 475.
Cheiranthi Sacc. FV.v. 187. MV. 282.
cana Sacc. FV.v. 188. M. 88. FI. 68. MV. 593.
Capparidis Sacc. FV.v. 189.
circumscissa Sacc. FV.v. 189. M.
crassa Sacc. M. 88. FI. 69.

cerasella Sacc. M. 266. MV. 1051
Calendulæ Sacc. M. 267. MV. 1054.
Cistinearum Sacc. M. 268.
Carlinæ Sacc. M. 269.
depazeoides (Demz.) Sacc. FV.v. 187. MV. 280.
ferruginea Fuck. MS. 181. MV. 278.
fulvescens Sacc. FV.v. 189. M. 88. FI. 66.
Galegæ Sacc. M. 267. MV. 1055.
Lythri (West.) Niessl. M. 269.
Mercurialis Pass. M. 475.
nebulosa Sacc. FV.v. 189. MV. 599.
olivascens Sacc. M. 268. MV. 1251.
penicillata Fres. MS. 181.
persica Sacc. FV.v. 189. M. 88. FI. 67. MV. 598.
Plantaginis Sacc. M. 268.
pantoleuca Sacc. M. 268.
radiata Fuck. MS. 181.
Rhamni Fckl. FV.v. 188. MV. 594.
Rubi Sacc. FV.v. 188. MV. 593.
Resedæ Fckl. FV.v. 190. MV. 1250.
rosicola Pers. M. 267. MV. 1249.
sycina Sacc MV. cent. XV.
tinea Sacc. M. 268. MV. 1252.
Violæ Sacc. FV.v. 187. MV. 279.
Vincetoxici Sacc. MV. 283.
Vitis (Lév.) Sacc. FV.v. 188.
f. Vitis sylv. MV. 363.
f. Vitis vinifer. MV. 284.

Ceriomyces Cda (Hymen.)
terrestris Schulz. FV.v. 167. M. 97. FI. 107. MV. 836.

Ceriospora Niessl. (Pyren.)
Dubyi Niessl. M. 36. M. 330. FI. 187.
xantha Sacc. M. 36. M. 330. FI. 188.

Cesatiella Sacc. (Pyren.)
australis S. et S. 9. M. 250. M. 318. et 330. FI. 198.

Chætomella Fckl. (Sphærops.)
atra Fckl. M. 96. FI. 100.
brachyspora S. et S. M. 260. MV. 1229.
lignicola. M. 97.

Chætomium Kze (Pyrenom.)
comatum (Tode Fr.) MS. 91. M. 222. MV. 69—635.
calvescens Sacc. M. 123. M. 373.
elatum K. et S. MS. 91. *V.* C. com.
Fieberi Cda. FV.v. 173. M. 27.
f. lignicola. chlorina MV. 906.
stercoreum Sp. M. 222. FI. 622.

Chætopsis Grev. (Hyphom.)
fusca Cda M. 79. FI. 26.
macroclada Sacc. M. 79. FI. 25.
stachyobola Cda M. 79. FI. 27.
Wauchii Grev. FV.v. 192.

Chætosphæria Tul. (Pyren.)
fusca Fuck. FV.iv. 3. M. 330. FI. 191. MV. 659 (cum conid.)
st. ascoph. MV. 660.
parvula Sacc. FV.iv. 3. M. 330. FI. 190.

Chalara Cda (Hyphom.)
Ampullula Sacc. M. 80. FI. 33.
brachyspora Sacc. M. 81. FI. 35.
fusidioides Cda FV.v. 191. M. 81. FI. 24.
fungorum Sacc. M. 80. FI. 29. MS. p. 177. (Cylindr.)
heterospora Sacc. M. 80. FI. 31.
Montellica Sacc. M. 80. FI. 32.
strobilina FV.v. 185. M. 80. FI. 30.

Chilonectria Sacc. (Pyren.)
† myriospora (Cr.) Sacc. M. 279.
† Rosellinii (Carest.) Sacc. M. 280.
† sulphurella (DNtrs.) Sacc. M. 380.
Cucurbitula (Curr.) Sacc. M. 280. M.iv. 442.

Choiromyces Vitt. (Tuber.)
meandriformis Vitt. MS. 155.

Chlorosplenium Fr. (Discom.)
æruginosum (Oed.) DNtrs. FV.iv. 36.

Ciboria Fckl. (Discom.)
bolaris (Batsch.) M. 67.
echinophila (Bull.) Sacc. FV.iv. 35. MS. 165. (Cyathicula).
firma (Pers.) Fckl. M. 428. MV. 472.
macrospora S. M. 428.

Cicinnobolus de Bary. (Sphærops.)
Cesatii DBy. FV.v. 202.
f. Antirrhini maj. MV. 517.
f. Rhamni cathart. MV. 516.
f. Verbenæ officin. MV. 984.

Circinotrichum Nees. (Hyphom.)
maculiforme Nees MS. 211. M. 272.

Cladosporium Lk. (Hyphom.)
ædidiicola Thm. M. 476.

Asteroma Fk. M. 271.
epiphyllum Nees. MS. 181.
f. Castanæ MV. 586.
f. Quercus MV. 287.
Fumago Lk. MS. 108. V. Fumago vagans.
fasciculatum Cda. MS. 181. M. 535.
f. Gladioli psitt. MV. 1071.
f. Gynerii MV. 1070.
f. Junci effusi MV. 588.
graminum Lk. MS. 181.
herbarum Lk. MS. 102. M. 536. 552.
f. Maydis MV. 285.
f. epixylon MV. 286.
macrocarpum Pr. M. 535.
penicillioides Pr. FV.v. 191. MV.587.
Vitis (Lev.) MV. 284.

Cladobotryum Nees. (Hyphom.)
† Thümenii Sacc. M. 272.

Cladotrichum Cda. (Hyphom.)
microsporum Sacc. M. 76. FI. 28.
polysporum M. 330. FI. 102. MV. 659.
strictum Sacc. M. 271.

Clavaria L. (Hymen.)
aurea Schäff. MS. 66. MV. 832.
amenthystina Pers. TV.v. 165.
Botrytis Pers. MS. 65.
coralloides L. MS. 65.
cinerea Bull. MS. 66.
cristata Holmsk. MS. 66. MV. 831.
v. alba MS. 66.
v. cinerascens MV. 1307.
v. crassicaulis MS. 66.
v. leptoclada MS. 66.
crispula Fr. MS. 67.
flaccida Fr. M. 6. MV. 796.
formosa Pers. MS. 66. MV. 834.
fragilis Holmsk. MS. 67.
v. cylindracea MS. 67.
v. gracilis MS. 67.
flava Fr. MS. 65.
† grisea Pers. M. 548.
inæqualis Mull. MS. 67.
Ligula Schäff. MS. 68.
muscoides L. MS. 65.
purpurea Fr. M. 436. MV. 308.
pistillaris L. MS. 67. MV. 835. M. 453.
var. bifida MS. 67.
rugosa Pull. MS. 66.
rufescens Schäff. MS. 66.
rubella Schäff. MS. 66 MV. 833.
rosea Fr. MS. 67.
† setosa B. et N. M. 548.
vermiculata Scop. M. 567.
tenuissima Sacc. M. 436. MV. 1309.

Claviceps Tul. (Pyren.)
purpurea (Fr. em) Kütn. MS. 125. M. 319.

Clathroptychium Rost. (Myxom.)
cinnabarinum Sacc. M. 545.
rugulosum (W.) Rost. FV.iv. 39.

Clathrus L. (Phall.)
cancellatus L. MS. 70.

Clypeosphæria Fukl. (Pyren.)
Notarisii Fuck. MS. 210. M. 39. M. 330. FI. 189. MV. 1159.

Coccomyces DNtrs. (Discom.)
coronatus (Fr.) DNtrs. M. 59. MS. 159. (Phacid.)
dentatus (K. et S.) Sacc. M. 59. MS. 159. MV. 262. (Phacid.)
Pini (A. S.) Karst. M. 59. MV. 1100.

Cœlosphæria Sacc. (Pyren.)
Fuckelii (Nke) Sacc. MS.115. Fl. 480.

Coleosporium Lév. (Hypod.)
Campanulacearum (Pers.) Fr. MS. 76.
f. Campanulæ glomeratæ MV. 377.
f. Campanulæ rapunculoidis MV. 427.
Trachelii MV. 44.
Carpesii Sacc. FV. 210. MV. 42. (II. ed.) 1142 (I. ed.) FV.v. 210.
Inulæ (Kze.) Fuck. MS. 76. MV. 842.
miniatum (Pers.) Bon. MS. 75. FV. 210. V. Uredo miniata.
f. Potentillæ argenteæ FV. v. 210. MV. 44.
f. Rosæ MV. 378.
ochraceum Bon. MS. 207. V. Uredo Agrimoniæ.
Petasitidis (DC.) DBy. FV.v. 168. MV. 112 M. 11.
Rhinanthacearum (DC.) Fr. MS. 76. M. 10.
Symphyti (DC.) Fuckl. MS. 76. V. Uredo Symphyti.
Senecionis (Schum.) Fr. MS. 76. (Rabh.) 207. MV. 428.
Sonchi (Schum.) Lév. MS. 76.
Senecionum (Rabh.) Fckl. M. I. 10.
Tussilaginis (Pers.) Lév. MS. 76. MV. 111.

Colpoma Wallr. (Pyren.)
quercinum (Pers.) Wallr. MS. 157. MV. 259.
stat. ascoph. MV. 717.

Comatricha Preuss. (Myxom.)
Friesiana de By. FV.iv. 39.
Persooni Rost. FV.iv. 39.
physaroides (A. S.) Sacc. M. 72.
typhoides (Bull.) Rost FV.iv. 39. MV. 961. *V.* C. typhina.
typhina (Batsh). Rost.) M. 516.

Coniophora Pers. p. p. (Hymen.).
puteana (Schum) Fr. Summa. M. 502. FV.v. 165. MV. 799. (Corticium put.).
arida Fr. Summa M. 5. (Corticium).

Coniothecium Cda. (Hyphom.)
atrum Cda. MS. 179.
chomatosporum Cda. FV.v. 194.
complanatum (Nees) Sacc. M. 537.
Epidermidis Cda. FV.v. 194. M. 537.
effusum Cda. M. 264-537. MV. 1093.
phyllophilum Dmz. M. 537.
Questieri Dmz. FV.v. 211.

Coniothyrium Cda, Fckl. (Sphærops.)
Aucubæ Sacc. FV.iv. 4. FV.v. 200.
anserinum Sacc. MS. 520.
arundinaceum Sacc. M. 203.
australe Sacc. M. 206.
concentricum (Desm.) Sacc. FV.v. 199. M. 204. MV. 354.
conoideum Sacc. M. 203.
cruciatum Fckl. M. 205.
cæspitulosum Sacc. M. 206.
epimyces S. et S. M. 206.
Fuckelii Sacc. FV.v. 200. M. 207.
f. Berberidis vulgaris MV. 1030.
f. Tecomæ rad. MV. 1212.
fœdans Sacc. M. 95. FI. 95.
glomerulatum Sacc. MS. 520.
Hederæ (Dmz.) Sacc. M. 204-520.
incrustans Sacc. FV.iv. 14. FV.v. 200.
insitivum Sacc. M. 206.
myriocarpum (Fr.) Sacc. MS. 109. (Sphæria).
olivaceum Bon. MS. 191. M. 204-520.
Parietariæ S. et S. M. 204.
Platani Sacc. M. 206.
scapiscdum S. et S. M. 204.
Saponariæ S. et S. M. 204.
vagabundum Sacc. FV.v. 200.

Cookella Sacc. (Pyren.)
microscopica Sacc. M. 407. FI. 397.

Coprinus Pers., Fr. (Hymen.)
atramentarius (Bull.) MS. 34.
comatus (Pers.) MS. 34.
Digitalis (Batsch.) Fr. MS. 34.
ephemerus Fr. MS. 35.
fimetarius (L.) Fr. MS. 34.
var. cinereus Schäff. MS. 34.
frustulorum Sacc. MS. 35.
micaceus (Bull.) Fr. MS. 34.
var. truncorum (Schäff.) MS. 34.
niveus (Pers.) Fr. MS. 34.
ovatus (Schäff.) Fr. MS. 34.
micaceus (Bull.) Fr. MS. 34.
plicatilis Curt. Fr. MS. 35.
tomentosus (Bull.) Fr. MS. 34.

Cordyceps Fr. (Pyren.)
† acicularis Bk. M. 321.
† armeniaca Bk. M. 322.
† Barnesii Thw. M. 320.
† bicephala Bk. M. 320.
† carolinensis Rav. M. 322.
† caloceroides B. et C. M. 321.
† coccigena Tul. M. 320.
† curculionum Tul. M. 320.
† cinerea B. et C. M. 320.
† cæspitosa Tul. M. 320.
† capitata (Holmsk.) Lk. M. 319.
† dipterigena B. et Br. M. 321.
† entomorrhiza (Diks.) Fr. M. 320.
† falcata Bk. M. 321.
† flavella B. et C. M. 321.
† fuliginosa Ces. M. 319.
† Gunnii Pk. M. 319.
† gracilis (Grev.) Dur. M. 320.
† Hügelii Cda. M. 320.
† Humberti Rab. M. 320.
militaris (L.) Link. M. 319. MS. 125 (Torrubia).
† myrmecophila Ces. M. 319.
† Miquelii Tul. M. 320.
† Melolonthæ Tul. M. 320.
† Montagnei B. et C. M. 321.
ophioglossoides (Schmid.) Link. M. 319.
† palustris Bk. M. 322.
† pistillariæformis P. et Br. M. 322.
† Ravenelii Bk. M. 322.
† racemosa Bk. M. 321.
† Robertsii Hook. M. 321.
† Sinensis Pers. M. 320.
† sobolifera (Hill.) Berh. M. 321.
† Sphingum B. et C. M. 321.
† sphecocephala (Kl.) B. et C. M. 321.
† Sinclairi Bk. M. 322.
† stylophora Bk. M. 322.
† Tayloris Bk. M. 320.

† unilateralis Tul. M. 320.
† Wallaysii West. M. 321.

Coremium Lk. (Hyphom.)
vulgare Cda. MS. 183.

Corethropsis Cda. (Hyphom.)
pulchra Sacc. M. 83. FI. 46.

Coronophora Fckl. (Pyren.)
gregaria (Lib.) Fckl. FV.iv. 21.

Corticium Pers. Fr. (Hymen.)
aridum Fr. M. 5. *V.* Coniophora.
cœruleum (Schrard.) Fr. MS. 64. MV. 106.
calceum Fr. MS. 64.
comedens Nees MS. 64. M. 502.
cinereum Fr. M. 502.
v. *lilacinum* FV.v. 165. MV. 406. *V.* Ster. purp. var.
v. *resupinatum* FV.v. 165. MV. 405. *V.* Ster. Boltoni.
v. *reflexum* FV.v. 165. MV. 404. *V.* Ster. Boltoni.
cellare (Pers.) Sacc. M. 6. MV. 1112. *V.* Coniophora.
evolvens Fr. MS. 63. MV. 33.(II. ed.).
v. cupulare. MS. 63.
epiphyllum (Pers.) Sacc. M. 6.
v. candidum M. 6.
granulatum (Bon.) Sacc. FV.v. 165. MV. 408.
incarnatum (Pers.) Fr. MS. 64. M. 240-502. MV. 403.
f. Platani MV. 1110.
lacteum Fr. MS. 63. M. 502.
f. corticola MV. 798.
l. lignicola MV. 797.
Michelianum (Cald.) Fr. FV.v. 165.
ochroleucum Fr. MS. 63.
polygonium (Pers.) Fr. MS. 64. M. 502.
f. Robiniæ MV. 407.
f. Carpini MV. 1111.
puteanum (Schum.) Fr. FV.v. 165. M. 5. MV. 799. *V.* Coniophora puteana.
quercinum (Pers.) Fr. MS. 64. MV. 402. M. 502.
roseum Pers. M. 6-502. MV. 800.
Sambuci (Pers.) Fr. MS. 64.

Cortinarius Fr. (Hymen.)
(Inoloma) albo-violaceus (Pers.) Fr. MS. 36.
(Hydrocybe) armeniacus (Schäff.) Fr. MS. 37.
(Phlegmacium) balteatus Fr. MS. 35.
(Phlegmacium) callochrous (Pers.) Fr. MS. 36.
(Dermocybe) camurus Fr. MS. 37.
(Dermocybe) cinnamomeus (L.) Fr. MS. 37.
(Dermocybe) ochroleucus (Schäff.) Fr. MS. 37.
(Dermocybe) sanguineus (Jacq.) Fr. MS. 38.
var. semisanguineus MS. 37.
var. croceus MS. 37.
(Hydrocybe) castaneus (Bull.) Fr. MS. 37.
(Myxacium) collinitus (Sow.) Fr. MS. 36.
(Phlegmacium) fulgens (AS.) Fr. MS. 36.
(Phlegmacium) fulmineus Fr. M. 12.
(Phlegmacium) glaucus (Schäff.) Fr. MS. 36.
(Telamonia) iliopodius (Bull.) Fr. MS. 37.
(Hydrocybe) leucopus (Bull.) Fr. MS. 37.
(Phlegmacium) multiformis Fr. MS 36.
(Inoloma) traganus Fr. MS. 36.
(Inoloma) tofaceus Fr. MS. 36.
(Phlegmacium) varius (Schäff.) Fr. MS. 35.

Coryne Tul. (Discom.)
sarcoides (Pers em.) Fr. MS. 162.
urnalis (Nyl.) Sacc. FV.iv. 31. MV. 954.

Coryneum Nees (Melanc.)
compactum B. et Br. FV.v. 198.
intermedium Sacc. M. 91. FI. 81.
macrosporum Bk. M. 247.
microstictum MS.190. MV.304. M.533.
pestalozzioides Sacc. M. 91. FI. 82.
Tecomæ Sacc. MS. 190.

Craterellus Pers., Fr. (Hymen.)
cornucopioides (L) Pers. MS. 61. MV. 830.
var. crispus MS. 61.
clavatus (Pers.) Fr. MS. 61.
lutescens (Pers.) Fr. MS. 61. M. 548.
var. crocatus. MS. 61.
sinuosus Fr. MS. 61. MV. 813.

Craterium Trent. (Myxom.)
leucocephalum Pers. FV.iv. 40.
minutum (Leers.) Fr. FV.v. 185. MV. 498. M. 516.

f. foliicola. MV. 499.

Cribraria Schrad. (Myxom.)
vulgaris Schrad. MS. 172.
tenella Schrad. MS. 172.

Cronartium Fr. (Hypod.)
asclepiadeum Fr. MS. 208. MV. 393.
Pæoniæ Cast M. 11. MV. 878.

Crouania Fr. (Disc.)
humosa Fuck. MS. 166. *V.* Peziza.
violascens (Cke) M. 444. *V.* Peziza.
miniata (DNtrs) Fckl. M. 430. *V.* Peziza Crouani.
Constellatio (Cke) S. M. 71. *V.* Peziza.

Crucibulum Tul. (Nidul.)
vulgare Tul. MS. 72. MV. 38.

Cryptococcus Ktz. (Hyph. Schizom.)
major Ktz. MS. 175.
mollis Ktz. MS. 175.

Cryptodiscus Cda. (Discom.)
atrovirens (Fr.) Cda M. 254. MV. 1199.
major Sacc. M. 62. et 98. FI. 120.

Cryptosphæria Grev. Nke (Pyren.)
mille-punctata Grev. MS. 127. (Valsa).

Cryptospora Tul. p. p., k. (Pyren.)
corylina (Tul.) Fuck. MS. 127. MV. 930. FI. 468.
salicella Fuck. MS. 135. *V.* Diaporthe salicella.
suffusa (Fr.) Tul. MS. 126. FI. 467.

Cryptosporella Sacc. (Pyren.)
aurea (Fckl.) Sacc. M. 369. FI. 425.
hypodermia (Fr.) Sacc. M. 369. FI. 469.
populina (Fckl.) S. M. 506.
Veneta Sacc. M. 31. M. 100. FI. 157.

Cryptosporium Kze
Neesii Cda MS. 126.

Cryptovalsa C. DNtrs (Pyren.)
arundinacea Sacc. FV.iv. 17. M. 100. FI. 159. MV. 210.
ampelina (Nke) Fuck. MS. 211.
extorris Sacc. FV.iv. 17. M. 100. FI. 160.
Mori Nke MS. 134.
Nitschkei Fuckl. M. 22. 505. MS. 134.
f. Carpini MV. 209.
f. Salicis MV. 1187.
protracta (Pers.) DNtrs. MS. 134. MV. 208.
Rabenhorstii (Nke) Sacc. MS. 135. M. 21.

Cucurbitaria Gay (Pyren.)
Berberidis (Pers.) Gray. MS. 121. MV. 94. FI. 535.
Broussonetiæ Sacc. MS. 118. *V.* Thyridaria incrustans.
Coryli (Fukl.) Sacc. MS. 118. *V.* Otthia Coryli.
Carpini Sacc. MS. 119. FI. 534.
castanea Sacc. MS. 120. FI. 530.
*moricola FI. 531. M. 495.
Coronillæ (Fr. ut var.) Sacc. FV.v. 178. MV. 164. FI. 523.
Dulcamaræ (Kze et Schm) Fr. MS. 121.
elongata (Fr.) Grev. MS. 120. MV. 95. FI. 529.
Gleditschiæ (Schw.) Ces. DNtrs. MS. 122. FI. 526.
Laburni (Pers.) Fr. MS. 121. MV. 924.
protracta (Nees.) Fuck. MS. 119. FI. 524.
pithyophila (Schv.) DNtrs. FI. 522.
Quercus (Fckl.) Sacc. MS. 113. FI. 538. *V.* Otthia.
Ribis (Tode) Sacc. MS. 210. FI. 528.
Rosæ Wint. M. 408. FI. 405.
rufo-fusca (Fr.) C. DNtrs. FI. 536.
Rhamni (Nees.) Fr. MS. 121. FI. 533.
salicina Fuckl. MS. 120. FI. 525.
Spartii (Nees.) C. DNtrs. FI. 532.
vagans Sacc. MS. 122. *V.* Thyridium vestitum.

Cyathicula DNtrs (Discom.)
coronata (Bull.) DNtrs MS. 165.
echinophila (Bull.) Sacc. MS. 165. *V.* Ciboria echinophila.
vulgaris DNtrs MS. 164.

Cyathus Pers. (Nidul.)
striatus (Huds.) Hoffm. MS. 72. MV. 39. M. 549.
vernicosus (Bull.) DC. MS. 73. MV. 109.

Cylindrium Bon. (Hyphom.)
Cordæ Sacc. FV.v. 186. MV. 358. M. 535.

carneolum Sacc. M. 81. FI. 37.
clongatum Bon. MS. 177. MV. 271. M. 535.
fungorum Sacc. MS. 177. *V.* Chalara fungorum.
heteronemum Sacc. M. 81. FI. 36.

Cylindrosporium Grev. em. (Melanc.)
Heraclei Oud. FV.v. 187. *V.* Ramularia Heraclei.
Ficariæ Berk. M. 533.
Myosotis Sacc. M. 533.
Ramunculi (Bon.) Sacc. M. 540.
Valerianæ Speg. M. 475. *V.* Ramularia Valerianæ.

Cyphella Fr. (Hymen.)
albo-violascens (A. S.) Karst. M. 502. MS. 161. (Lachnella)
Capula (Holmsk.) Fr. M. 437.
griseo-pallida Weinm. M. 502.
muscigena Fr. MS. 65.
muscicola Fr. M. 436.
villosa (Pers.) Karst. MS. 163. (Trichop).

Cystopus de Bary (Phycom.)
Bliti (Biv.) de Bary MS. 89.
st. oogoniophorus MV. 1333.
f. Amar. Bliti MV. 06.
f. Amar. patuli MV. 888.
candidus (Pers.) de Bary MS. 88. MV. 454.
f. Armoraciæ rustic. MV. 142.
f. Brassicæ Napi MV. 887.
f. Capsellæ MV. 492. M. 550.
f. Nasturtii sylv. MV. 493.
cubicus (Str.) de Bary MS. 89. MV. 455.
f. Centaur. Scab. MV. 1114.
f. Carpesii MV. 1115.
Capparidis de Bary. M. 12. MV. 1397.
Portulacæ (DC.) de Bary. MS. 89. M. 242. MV. 143.
st. oogoniophorus MV. 1117.
spinulosus de Bary. MS. 89. MV. 1116.

Cytispora Ehrbg. (Sphærops.)
Ailanthi Sacc. MV. 737.
ambiens (Pers.) Fr. M. 519.
cerviculata Sacc. FV.iv. 16.
chrysosperma Fr. MS. 132.
Corni Westd. MS. 133.
castanea S. M. 519.
chrysosperma Fr. MV. 762.
carphosperma Fr.
f. Hippophaëos rhamnoidis MV. 1393.
ceratophora Tul. M. 519.
fugax Fr. MV. 748.
Fuckelii Nke M. 519.
heteracantha Sacc. FV.iv. 15.
leucosperma Fr. MS. 125.
ludibunda Sacc. M. 519.
f. Robiniæ Pseudac. MV. 940.
Laurocerasi Fckl. MV. 761. M. 519.
nivea Fuck. MS. 134. MV. 763.
ocellata Fck. M. 519.
pruinosa Fr. M. 519.
quercina West M. 261. MV. 931.
rubescens Fr. MS. 131.
salicina Rabh. MS. 132. MV. 760. M. 519.
stenopora Sacc. MV. 751.
Tiliæ S. M. 519.

D

Dacrymyces Nees (Hymen.)
deliquescens (Bull.) Duby. MS. 69.
pallens Fic. MS. 69.
stillatus Nees FV.v. 166. MV. 107.

Dactylium Nees (Hyphom.)
dendroides Fr. FV.v. 196.
macrosporum (Ditm.) Fr. FV.v. 196.

Dædalea Pers. (Hymen.)
cinerea Fr. MS. 55.
quercina (L) Pers. MS. 55. MV. 23.
var. effusa MS. 55. MV. 24.
var. resupinata MS. 55. MV. 25.
unicolor (Sew.) Fr. MS. 55. FV.v. 164. MV. 26. M. 501.
var. resupinata FV.v.164. MV. 27.

Daldinia C. DNtrs (Pyren.)
concentrica (Bolt.) Ces. et DNtrs. MS. 153. MV. 697. FI. 565.

Darluca Cast. (Sphærops.)
Filum Cast. MS. 192.
f. Melampsoræ guttatæ MV. 521.
f. Melampsoræ Tremulæ MV. 520.
f. Uromycetis Junci MV. 519.

Dasyscypha Fckl. (Discom.)
bicolor (Bull.) Fkl. MV. 473.
calycina (Schum) Fuck. MS. 164.
cerinea (Pers.) Fuck. MS. 164. MV. 958. M. 515.
virginea (Batsch) Fuck. MS. 164. MV. 730. M. 515.
*testacea Sacc. M. 66.

Delitschia Awd. (Pyren.)

Winteri Plowr. M. 229. F. 621.

Dematium Pers. Lk. (Hyphom.?)
Aluta Lk. MS. 204.

Dendrodochium Bon. (Hyphom.)
aurantiacum Bon. M. 534.

Dendryphium Wallr. (Hyphom.)
comosum Wallr. MS. 103. M. 538.
curtum Bk. M. 538.
nodulosum Sacc. M. 81. Fl. 38.
ramosum Cooke FV.v. 191. M. 538.
toruloides (Fres. sub Periconia) Sacc. FV.v. 191.

Depazea Fr. (Sphærops.)
æsculina Fr. MS. 193. *V.* Phyllosticta æsculicola.
areolata Fckl. MS. 192. *V.* Phyllosticta rubicola.
balloticola Fr. MS. 193 (sterilis visa).
beticola DC. MS. 193. *V.* Septoria Betæ.
brassicicola Fr. MS. 193. *V.* Phyllosticta Brassicæ.
buxicola Fr. MS. 193. *V.* Ascochyta limbalis.
Caprifolii Opiz. MS. 193. *V.* Phyllosticta Caprifolii.
fagicola Fr. MS. 193. (sterilis visa).
geicola Fr. MS. 192. *V.* Septoria Gei.
juglandina Fr. MS. 193. *V.* Phyllosticta juglandina.
malvicola Fr. MS. 193. *V.* Ascochyta malvicola.
Œnotheræ Lasch. MS. 192. *V.* Septoria Œnotheræ.
populina Fuck. MS. 193. *V.* Phyllosticta populina.
prunicola Opiz. MS. 193. *V.* Phyllosticta prunicola.
rhamnicola Lasch. MS. 192. *V.* Phyllosticta rhamnigena.
ribicola Fr. MS. 192. *V.* Phyllosticta Grossulariæ.
salicicola Rabh. M. 95. *V.* Septoria salicicola.
syringicola Lasch. MS. 192. *V.* Phyllosticta Syringæ.
succisicola Opiz. MS. 193. *V.* Septoria scabiosicola.
tremulicola (DC.) Fr. MS. 95-193 (sterilis visa).
vagans Fr. MS. 192. *V.* Septoria heterochroa.
Vincetoxici Schub. MS. 194. *V.* Septoria Vincetoxici.
Vincæ Fuck. MS. 193. *V.* Phoma Vincæ.

Dermatea Fr. (Discom.)
furfuracea Fr. Fuck. FV.iv. 29.
stegioides Speg. MV. 471.

Diaporthe Nke. (Pyren.)

1. Euporthe Nke.
adunca (Dsmz.) Niessl. FV.iv. 12.
Aucubæ Sacc. M. 390-508.
abdita S. et S. M. 391.
Americana Speg. M. 457.
Arctii (Lasch.) Nke. MS. 211. M. 388.
v. Lapparum M. 388.
v. Centaureæ Scabiosæ M. 388.
australis Sacc. M. 29.
brachyceras FV.iv. 11.
Berkeleyi Nke FV.iv. 12.
f. Ferulaginis MV. 1345. M. 546.
cryptica Nke MS. 141.
crassicollis Nke. MS. 211.
castrensis S. et S. 388.
culta S. et S. M. 389.
demissa Sacc. FV.iv. 9.
Dulcamaræ Nke. FV.iv. 12. MV. 773.
Desmazierii Niessl. FV.iv. 12. MV. 1262.
extorris Sacc. M. 30.
Eres Nke. FV.iv. 12.
Euphorbiæ Cooke FV.iv. 12.
fasciculata Nke. MS. 140.
f. Meliloti offic. MV. 666.
forabilis Nke. MS. 141.
gloriosa S. et S. M. 390. MV. 1344.
intermedia Sacc. FV.iv. 9.
inquilina (Wallr.) Nke M. 388.
indica S. et S. M. 391.
Japonica Sacc. FV.iv. 11.
meridionalis Sacc. M. 387.
minuscula S. et S. M. 387.
muralis Sp. M. 458.
Malbranchei S. M. 509.
nigricolor Nke MS. 141. MV. 215.
Neapolitana Sacc. M. 389.
orthoceras (Fr.) Nke MS. 142.
f. Eupatorii cannab. MV. 667.
f. Helianthi annui MV. 216.
obsoleta Sacc. FV.iv. 10.
orientalis S. et S. M. 391.
occulta (Fckl.) Nke M. 458.
pulla Nke MS. 140. MV. 217. M. 508.
protracta Nke MS. 141.
perexigua Sacc. FV.iv. 10.
petiolorum S. et S. M. 388.
pratensis S. et S. M. 389.
simulans Sacc. FV.iv. 11.

sordida Nke FV.IV. 12.
semiimmersa Nke FV.IV. 12.
spiculosa (A. S.) Nke FV.IV. 12. M. 508.
scandens S. et S. M. 389.
Tulasnei Nke MS. 142. M. 390.
viticola Nke FV.IV. 12.
Valerianæ Fuck. FV.IV. 12.

2. Sclerostroma Nke.
Ailanthi Sacc. MS. 137.
affinis Sacc. M. 28.
castanea Sacc. MS. 136. MV. 220. M. 507.
Carpini (Pers.) Fckl. MS. 137. MV. 665. FV.V. 211.
conjuncta (Nees.) Fuck. MS. 137. MV. 223. FV.V. 211.
Cratægi Nke M. 441. MV. 1346. M. 508.
decipiens Sacc. FV.IV. 6. MV. 668.
detrusa (Fr.) Fckl. FV.IV. 12. MV. 213.
fibrosa (Fr.) Nke MS. 136. MV. 211.
Hystrix (Tode, Fuck?) Sacc. FV.IV. 6.
Hystricula S. et S. M. 392.
Kunzeana Sacc. FV.V. 180.
leiphæma (Fr.) Sacc. MS. 135. MV. 222. M. 508.
Niesslii Sacc. M. 391.
oncostoma (Dub.) Fuckl. MS. 136.
f. Pseudacaciæ junior MV. 218.
provecta MV. 661.
senescens MV. 662.
stat. spermog. MV. 663.
f. Robiniæ inermis MV. 219.
salicella (Fr.) Sacc. MS. 135. MV. 221. M. 508.
Salicis Nke MS. 135. *V.* D. salicella.
sulfurea Fckl. FV.IV. 12. M. 28.
thelebola (Fr.) Sacc. FV.IV. 12. MV. 224.
f. Alni incanæ MV. 772.
Taleola (Fr.) Sacc. FV.IV. 12.
Tessera (Fr.) Fckl. FV.V. 180. MV. 664.

3. Tetrastagon Nke.
alnea Fuck. MS. 211.
ambigua Nke FV.V. 181.
aggerum S. et S. M. 387.
Beckhausii Nke FV.IV. 12. MV. 212.
Cerasi Fuck. MS. 138.
cinerascens Sacc. FV.IV. 8.
compressa Sacc. FV.IV. 8.
Coronillæ (Dmz.) Sacc. FV.IV. 13. FV.V. 181. M. 508.
circumscripta Otth. M. 29. 508.
Coneglanensis Sacc. M. 29.
Corni Fckl. M. 29.
Castanetі Nke M. 249. MV. 1263.
dubia Nke. M. 383.
insularis Nke Sacc. FV.IV. 12.
inæqualis (Cnrr.) Nke MS. 140.
insignis Fckl. M. 384.
juglandina (Fckl.) Nke FV.IV. 12.
Landeghemiæ (West.) Nke MS. 139.
Laschii Nke MS. 211.
ligulata Nke M. 508.
maculosa S. et S. M. 383.
mazzantioides S. et S. M. 385.
Mahoniæ Sp. M. 457.
mendax Sacc. FV.IV. 9.
nodosa Fckl. FV.IV. 12.
nobilis S. et S. M. 386.
obscurans Sacc. FV.IV. 7.
occidentalis S. et S. M. 384.
oblita S. et S. M. 386.
Ophites Sacc. FV.IV. 13 MV. 214.
pithya Sacc. FV.IV. 7.
revellens Nke MS. 138.
resecans Nke MS. 138. MV. 935. M. 508.
rostellata (Fr.) Nke MS. 139. M. 386.
rudis (Fr.) Nke MS. 140.
retecta Fckl. et Nke MS. 211.
Ryckholtii (West.) Nke MS. 211.
Sophoræ Sacc. M. 384.
spina Fckl. M. 384.
spissa S. et S. M. 385.
sarmenticia Sacc. M. 386.
seposita Sacc. FV.IV. 7.
Veneta S. et S. M. 383.
Zaviana Sacc. MS. 139.

Diatrype Fr., DNtrs. (Pyren.)
bullata (Hoffm.) Fr. MS. 150. FI. 463.
Bérengeriana DNtrs. MS. 151. MV. 247. (Conid.) MV. 246. (ascoph.)
disciformis (Hoffm.) Fr. MS. 150. MV. 249. FI. 462.
stigma (Hoffm.) Fr. MS. 150. MV. 248. FI. 464. M. 505.
f. Castaneæ MV. 944.
f. Carpini Betuli MV. 943.

Diatrypella C. DNtrs (Pyren.)
aspera (Fr.) Nke FI. 461. M. 492.
favacea (Fr.) DNtrs. MS. 151. MV. 945. FI. 460.
quercina (Pers.) Nke MS. 151. FI. 457. M. 506.
Tocciæana DNtrs. M. 506.
verruciformis (Ehrh.) Nke MS. 151. M. 23. FI. 458. M. 506.
f. Mori albæ MV. 251.

f. Rhamni cathartici MV. 669.
f. Salicis vitellinæ MV. 250.
Spegazziniana Sacc. M. 23. MV. 771. FI. 459.

Dichæna Fr. (Pyren.)
quercina (Pers.) Fr. MV. 718. M. 514. 551. MS. 203. (Psilospora, *stylosporea*).
faginea (Pers.) Fr. MS. 203 (Psilospora, *stylosporea*).

Dicoccum Cda (Hyphom.)
inquinans Sacc. M. 264. MV. 1254.

Dictyosporium Cda (Hyphom.)
elegans Cda FV.v. 193.

Diderma Pers. (Myxom.)
globosum Pers. MS. 173.
stellare (Schrad.) Pers. MS. 173.

Didymella S. *V.* Didymosphæria

Didymium Schrad. (Myxom.)
complanatum Fr. MS. 174.
cinereum (Pers.) Fr. MS. 174.
confluens Pers. FV.iv. 40.
congestum B. et Br. FV.iv. 40. MV. 269.
farinaceum Schrad. FV.iv. 40.
hemisphærium (Bull.) Fr. MS. 173.
herbarum Fr. MS. 174.
lobatum Nees MS. 174.
Serpula Fr. M. 546.
squamulosum (A. S.) Fr. MS. 174.
var. leucopus FV.iv. 40.

Didymosphæria Fckl. (Pyren.)

Sect. 1. Genuinæ phæosporæ.
anaxæa Sacc. FV. 325. M. 98. FI. 134.
conoidea Niessl. M. 33. FI. 208.
diplospora (Cke) Sacc. M. 375. FI. 372.
Epidermidis (Fr.) Fckl. FV.ii. 323.
Galiorum (Rob.?) Fckl. FV.ii. 324.
nitidula Sacc. FV.ii. 324. M. 30. 98. FI. 132.
pulchella S. et S. M. 375.
socialis Sacc. FV.ii. 324. M. 30. 98. FI. 133.
*nobilis M. 32.

Sect. 2. Didymella Sacc.
Cadubriæ Sacc. FV.ii. 324. M. 331. FI. 207.
cladophila Niessl. M. 246. MV. 1161. FI. 368.
culmigena Sacc. M. 377. FI. 369.
effusa Niessl. M. 246. MV. 1267. FI. 370.
exigua Niessl. M. 376. FI. 371.
*nemoralis S. et S. M. 376.
Fuckeliana (Pass.) Sacc. M. 440. FI. 435.

Dimerosporium. Fckl. (Pyren.)
pulchrum Sacc. FV.ii. 299. FV. 210. M. 98. FI. 126. 227.
f. Corni sang. MV. 154. (Apiosp.)
f. Ligustri vulg. MV. 153. (Apiosp.)

Dinemasporium Lév. (Discom. spur.)
decipiens (DNtrs.) Sacc. FV.v. 211. MV. 529. MS. 189.
Graminum Lév. FV.v. 211. MV. 530.
hispidulum (Schrad.) Sacc. FV.v. 211. MS. 189.
f. Castaneæ vescæ MV. 527.
f. Quercus peduncul. MV. 528.
rhodophæum Sp. M. 480.
strigosum (Fr.) Sacc. MS. 189.

Diplocladium Bon. (Hyphom.)
minus Bon. FV.v. 196.

Diplodia Fr. (Sphærops.)
Aceris Fuck. MS. 119.
Aesculi Lév. MS. 201. MV. 1398. M. 486.
Amelanchieris Sacc. M. 518.
arundinacea Dur.(?) MS. 202.
Aucubæ FV.iv. 4. FV.v. 209.
Alni Fuckl. M. 255. MV. 1024.
atrata (Dmz.) Sacc. M. 256. MV. 1204.
ailanthina Speg. M. 484.
Althææ Speg. M. 485.
Buxi Fr. FV.v. 209. MV. 504. M. 518.
buxicola Sacc. M. 518.
Cytisi Awd. MS. 121.
Cratægi Fuck. MS. 201.
Coryli Fuck. MS. 201. MV. 334. M. 517.
conigena Desm. MS. 202. MV. 348.
Clematidis Sacc. M. 518.
Citri Sacc. FV.v. 207. MV. 332.
cyanogena Sp. Ampel. N. 27.
castanea Sacc. M. 255. MV. 1028.
caricina Sacc. M. 256. MV. 1206.
Corchori (Dmz.) Kx. M. 256. MV. 1295.
Calycanthi (Schw.) Sp. M. 485.
Catalpæ Sp. M. 486.

Dulcamaræ Fuck. MS. 121.
Dianthi Ces (?) MS. 202.
Frangulæ Fuck. MS. 121. MV. 344.
Fraxini Fr. MS. 201. M. 517.
f. Orni MV. 510.
Evonymi Fckl. MS. 201. MV. 1029. Fl.v. 209.
Farnesiana Sacc. FV.v. 208. MV. 350.
Gleditschiæ FV.v. 208. MV. 335. M. 518.
herbarum Lév. MS. 203. M. 517. MS. 203. (Sphæropsis caulicola).
Hederæ Fuck. MS. 202.
Ilicis Fr. FV.v. 209. MV. 346.
Juglandis Fr. MS. 201. MV. 341.
imperialis Sacc. M. 96. Fl. 98.
incrustans FV.iv. 14. FV.v. 209.
Jasmini West. FV.v. 208. MV. 337.
Julibrissin Speg. M. 484.
Lantanæ Fuck. MS. 201.
Loniceræ Fuck. FV.v. 208. MV. 333.
laurina Sacc. FV.v. 209. MV. 508.
Lilacis West. MV. 503. M. 517.
Lagerstrœmiæ Speg. M. 485.
Mori Berk. MS. 201. MV. 340.
melæna Lév. MS. 201. MV. 502.
mamillana Fr. MS. 201. MV. 330.
Mamma Fckl. MS. 202.
Malorum Fckl. MS. 202.
Magnoliæ West. FV.v. 210.
microspora Sacc. M. 96. Fl. 99. M. 517.
Mahoniæ Sacc. MV. 1402.
mutila (Fr.) Mtgn. MV. 339.
Macluræ Speg. M. 484.
Nerii Speg. M. 486.
Oleandri Speg. M. 486.
Pruni Fuck. MS. 200.
Pseudo-diplodia Fuck. MS. 201. MV. 329.
populina Fuck. MS. 202.
paupercula B. et Br. FV.v. 208. MV. 349.
profusa DNtrs. FV.v. 208. MV. 507.
Paliuri Becc. M. 255. MV. 1023.
pinea (Dmz.) Kx. M. 256—355. MV. 1205.
Photiniæ Sp. M. 485.
Quercus Fckl. MS. 118.
Rubi Fr. MS. 202. MV. 1025. M. 257.
Ribis Sacc. M. 518.
rudis Kz. FV.v. 207. MV. 331.
ramulicola Desma. FV.v. 209. MV. 345.
f. corticola MV. 511.
Rhois Sacc. M. 254. MV. 1021.
rubicola Sacc. M. 256. MV. 1296.
Rosæ Fr. MS. 200.
f. multifloræ MV. 501.
f. Banksianæ MV. 342.
Sorbi Sacc. M. 518.
salicina Lév. MS. 120. MV. 343.
f. Salicis capreæ MV. 1203.
Siliquastri Pass. MS. 200.
Syringæ Awd. MS. 201. *V.* D. Lilacis.
Symphoricarpi Sacc. FV.v. 208. MV. 336.
sapinea (Fr.) Sckl. FV.v. 208.
f. Abiet. excel. MV. 506.
f. ramicola MV. 1026.
sycina Mntg. FV.v. 209. MV. 509.
subtecta Fr. FV.v. 209.
sarmentorum (Fr.) Dmz. M. 255. MV. 1022.
smilacina Berk. M. 255.
f. Smilacis Alpini MV. 1027.
syriaca Sacc. M. 255. MV. 1202.
samararum Sacc. MV. 1396.
Sophoræ Sp. M. 485.
tephrostoma Lév. FV.v. 208. MV. 338.
Tamaricis Sacc. M. 518.
tecta B. et Br. FV.v. 209. MV. 505.
Taxi (Sow.) DNtrs. M. 254. 485. MV. 999. (Sphæropsis).
Ulicis S. et S. M. 353. MV. 1294.
viticola Desmz. MS. 200. MV. 347.
Yuccæ West. MS. 202.
Zeæ Lév. MS. 203.

Discella B. et Br. (Sphærops.)
carbonacea (Fr.) Berk. MS. 135.

Discosia Lib. (Sphærops.)
Artocreas Fr. FV.v. 199. M. 201.
f. Aceris campestris MV. 995.
f. Fagi sylvat. MV. 1228. 1403.
clypeata DNtrs MS. 100. *V.* D. Artocreas.
Passerinii S. FI. 435. M. 491.
quercicola DNtrs FV.v. 199. *V.* D. Artocreas.

Ditopella DNtrs. (Pyren.)
fusispora DNtrs. M. 31. M. 331. FI. 206.
Vizeana S. et S. M. 248. M. 331. FI. 205.

Dothidea Fr. (Pyren.)
alnea Fr. MS. 100. *V.* Glœosporium cylindrospermum.
Berberidis (Wahlb.) Fr. FV.v. 182. M. 331. FI. 210. MV. 235.

graminis Fr.
f. *Poarum*. *V.* Scirrhia Poæ.
Hippophaëos (Pass.) Fckl. M. 331. FI. 209.
insculpta Wallr. FV.v. 183. M. 331. FI. 211. MV. 649. MV. 465.
lichenicola Mass. M. 53.
Mezerei Fr. MS. 146. M. 331. FI. 213) MV. 647.
melanoplaca Dmz. M. 53.
ribesia (Pers) Fr. FV.v. 182. M. 332. Fl. 214. MV. 645. M. 513.
Sambuci (Pers) Fr. FV.v. 182. M. 331 e 332. M. 441. MV. 648.
f. Robiniæ Pseudacaciæ MV. 1355.
f. Loniceræ Caprifolii MV. 1356.
f. Gleditschiæ Triacanthi MV. 1357.
*D. moricola FI. 212. FV.v. 183.
*D. Venziana M. 332. FI. 215. FV.v. 182.
tetraspora B. et Br. FV.v. 182. M. 332. FI. 216.

E

Echinobotryum Cda. (Hyphom.)
atrum Cda. FV.v. 192.
leve Sacc. M. 82. FI. 39.

Ectostroma Fr. (Sphærops.?)
Lauri (Schleich.) Fr. FV.v. 210. MV. 559.

Elaphomyces Nees. (Tuber.)
anthracinus Vitt. M. 416.
citrinus Vitt. M. 469.
decipiens Vitt. M. 416.
granulatus Fr. M. 470.
Morettii Vitt. MV. 469.
mutabilis Vitt. MV. 469.
*immutabilis Speg. M. 469.
Persooni Vitt. M. 417.
variegatus Vitt. FV. 184. MV. 1390.

Eleutheromyces Fckl. (Pyren.)
subulatus (Tode) Fckl. M. 281.

Embolidium Sacc. (Discom. v. Lichen.)
italicum S. et S. M. 418-544. MV. 1389. *V.* Calycium parietinum Nyl.

Embolus DNtrs. (Discom. v. Lichen.)
Clavus S. et S. M. 418.
ochreatus DNtrs. FV.iv. 28. FV. 207.

Empusa Cohn. (Phycom.)
Muscæ (Fr.) Cohn. M. 13. MV. 1084.

Enchnoa Nke (Pyren.)
infernalis (Kze) Fuck. MS. 210. FI. 470.

Enchnosphæria Fckl. (Pyren.)
caput-Medusæ S. et S. M. 405. FI. 395.
passicrinis Sacc. FV. 327. M. 99. FI. 142.

Endothia Fr. (Pyren.)
gyrosa (Schw.) Fuke. MS. 146. M. 31. MV.
f. Carpini (st. sperm.) MV. 670.
f. Castaneæ MV. 929.
radicalis Fr. MS. 146. *V.* E. gyrosa.

Enteridium Ehrb. (Myxom.)
olivaceum Ehrb. M. 434.

Entyloma dBy. (Hypod.)
Calendulæ (Oud.) de Bary. M. 503.
crastophilum Sacc. M. 540.
Ranunculi (Bon.) Schröt. M. 540.

Epichloe Fr. (Pyren.)
† cinerea B. et Br. M. 322.
† Pulvinulus B. et Br. M. 322.
† strangulans (Mtgn.) Sacc. M. 322.
typhina (Pers.) Tul. MS. 125. MV. 1168. M. 322. 551.

Epicoccum Lk. (Hyphom.)
neglectum Desm. MS. 190.
f. scabrum MV. 1076.
f. Zeæ MV. 1075.
Menispermi (Sacc.) Pass. MV. 1241.
purpurascens Ehrh. M 264.
f. aleurophilum MV. 1240.
versicolor Rabh. MS. 190.

Epochnium Lk. (Hyphom.)
fungorum Fr. MS. 182. (an Cladosporii forma?)

Eriosphæria Sacc. (Pyren.)
exigua Sacc. FV.II. 325. M. 99. FI. 138.
œnotria S. et S. M. 348. FI. 305.
pomiformis (Pers.) Sacc. M. 33.
raripila Sacc. FV.II. 326. *V.* E. pomiformis.

Erineum Pers. (*)
alneum Pers. MS. 205.
acerinum Pers. MS. 206.
alnigenum Kze MS. 206.
dryinum Schlechtd MS. 205.
fagineum Pers. MS. 205
ilicinum DC. MS. 205.
Juglandis DC. MS. 206.
nervisequum Kze. MS. 205.
Pseudo-Platani Kze. MS. 206.
populinum Pers. MS. 205.
quercinum Pers. MS. 206.
Rubi (Fr.) Kze. MS- 206.
tiliaceum Pers. MS. 205.
Vitis Duv. MS. 206.

Erysiphe Hedw. (Pyren.)
communis Schlechtd. pp. Lév. MS. 91.
f. Convolvuli arven. MV. 605.
f. Cirsii M. 504.
f. Delphinii Ajacis M. 504.
f. Lathyri pratensis MV. 898.
f. Ononidis MV. 151.
f. Pisi sativi (Oidium) MV. 785.
f. Prenanthis purp. MV. 784.
f. Polygoni avicul. MV. 786.
f. Ranunculi acris MV. 604.
f. Ranunculi bulbosi MV. 603.
f. Thalictri minoris MV. 602.
f. Vitalbæ MV. 1170.
Graminis DC. FV.v. 173.
f. Dactyl. glom. (Oid.) MV. 606.
horridula Lév. FV.v. 173.
f. Symphyti off. (Oid.) MV. 607.
lamprocarpa Lk. MS. 91.
f. Menthæ M. 504.
f. Plantaginis Rabh. MS. 91. MV. 611.
f. Centaureæ nigresc. MV. 904.
f. Galeopsidis Tetrahit. MV. 612.
f. Lamii albi MV. 613.
f. Teucri Chamaed. MV. 1169.
f. Stachydis palustris MV. 902.
f. Stachydis germ. (Oidium) MV. 903.
f. Verbenæ officinalis (Oidium.) MV. 614.
Linkii Lév. MV. 209.
f. Artemisiæ vulgaris MV. 608.
Martii Lév. MV. 209.
f. Angelicæ sylv. MV. 897.
f. Calystegiæ MV. 58.
f. Hesperidis matronalis MV. 787.
f. Medicag. falcatæ MV. 610.
f. Peucedani Oreos. MV. 149.
f. Pimpinellæ magnæ MV. 609.
f. Trifolii pratensis MV. 150.
f. Urticæ dioicæ MV. 896.
Montagnei Lév. M. 366.
tortilis Lk. FV.v. 173. MV. 601.
Tuckeri Berk. (Uncinula?) M. 504.

Eurotium Lk. (Pyren.)
coriorum Wallr. M. 15.
Herbariorum Link. em. de Bary MS. 92.
f. foliorum MV. 634.
f. typica herbar. MV. 905.
f. epixylon (K. S.) MV. 152.
repens de By. FV.v. 173.

Euryachora Fckl. (Pyren.)
stellaris (Fr.) Fuck. MS. 145.
Stellariæ (Lib.) Fuck. MS. 146. MV. 1167.
Sedi (Lk.) Fuck. M. 53.

Eutypa Tul. (Pyren.)
arundinacea Sacc. FV.IV. 15. M. 100. Fl. 188.
aspera (Nek.) Fckl. FV.IV. 16.
Acharii Tul. M. 504. MS. 129. MV. 192.
aneirina (Somm.) Sacc. M. 18. MV. 735.
crustata (Fr.) Sacc. FV.IV. 16.
flavo-virens (Hoffm.) Tul. FV.IV 16. Fl. 471.
heteracantha Sacc. FV.IV. 15. MS. 129. M. 19. 504.
f. Aceris MV. 207.
f. Ailanthi MV. 205.
f. Berberidis MV. 206.
f. Broussonetiæ MV. 202.
f. Mori MV. 201.
f. Mori endophl. MV. 742.
f. Gleditschiæ MV. 740.
f. Hibisci syr. MV. 741.
f. Robiniæ MV. 738.
f. ead. (conid.) MV. 739.
f. Platani MV. 1186.
f. Salicis MV. 203.
f. Sambuci MV. 204.
lævata (Nke.) Sacc. FV.IV. 16.
lata (Pers.) Nke. MS. 128 pp. M. 504.

(*) Exanthemata foliorum (*Erineum, Phyllerium, Taphrina* p. p a mycologis nuncupata) secundum observationes Feé et præcipue Landois, Sorauer, Thomas, Briosi etc. actioni animalculorum e grege Acaridum tribuenda sunt. Et sic *Erineum Vitis* oritur ex *Phytopto Vitis* Land., *Erineum tiliaceum* ex *Phyt. Tiliæ* Dugl., *Erineum pyrinum* ex *Phyt. Pyri* Sorauer etc. Hujus generis gallæ a cl. Thomas cæcidia nuncupantur.

ludibunda Sacc. M. 15. 504.
f. Pseudacaciæ MV. 939. 196.
f. Populi MV. 938.
f. Aceris MV. 200.
f. Broussonetiæ MV. 198.
f. Carpini MV. 734.
f. Mori MV. 197.
f. Platani MV. 199.
lejoplaca (Fr.) Fckl. MV. 504.
leucostroma (Mtgn.) Sacc. M. 18. MV. 736.
milliaria (Fr.) Sacc. FV.iv. 16.
Rhodi (Nke). Fckl. M. 504.
subtecta (Nke.) Fckl. FV.iv. 16. MV. 190.
scabrosa (Bull.) Sacc. MS. 128 (Valsa).
velutina (W.) Sacc. MV. 191. FV.iv. 16. FI. 472.

Eutypella Nke., Sacc. (Pyren.)
Ailanthi Sacc. FI. 473. MS. 130. MV. 194-737. (Cytisp.)
angulosa (Nke.) Sacc. FV.iv. 16.
Brunaudiana Sacc. M. 505.
cerviculata (Fr.) Sacc. MS. 130. FV.iv. 16. MV. 173.
extensa (Fr.) Sacc. FV.iv. 16. MV. 180.
grandis (Nke.) Sacc. MS. 130.
Prunastri (Pers.) Sacc. MS. 131.
f. Armeniacæ MV. 176.
f. Cerasi MV. 174.
f. Persicæ MV. 175.
similis (Nke.) Sacc. FV. 16.
stellulata (Fr.) Sacc. M. 505.
Sorbi (Schm.) Sacc. M. 368. FI. 427.

Excipula Fr. (Sphærops. v. Discom. spur.)
nervisequia (Pers.) Fr. FV.v. 199. MV. 526.

Exidia Fr. (Hymen.)
glandulosa (Bull.) Fr. MS. 69. 157. MV. 37.
minutula S. M. 502.
recisa (Ditm.) FV.v. 166.

Exoascus Fckl. (Discom. gymn.)
bullatus (Bk.) Fckl. M. 62.
Tosquinetii (West.) Sacc. M. 433. MV. 1383.

Exobasidium Wor. (Hymen.)
Vaccinii Wor. M. 363. MV. 1310.

Exosporium Lk. (Hyphom.)
fructicola Sacc. M. 82. FI. 40.
Tiliæ Lk. M. 537.

F

Favolus Palis. (Hymen.)
europæus Fr. MS. 56. MV. 28.

Fenestella Tul. (Pyren.)
phæospora Sacc. FV.iv. 13. M. 99. FI. 140. MV. 172.
Princeps Tul. MS. 127. FV.iv. 13. MV. 171. M. 512.
f. subgregaria Sacc. FI. 454.
f. Oxyacanthæ Sacc. FI. 455.
f. tetratrupha (B. et Br.) FI. 456.
vestita (Fr.) Sacc. MV. 1272. FI. 402. FV.iv. 14. MS. 122. (Cucurb. vagans et Thyr. (vestitum).

Fistulina Fr. (Hymen.)
hepatica (Huds.) Fr. MS. 57. M. 362. MV. 105.

Fracchiæa Sacc. (Pyren.)
heterogenea Sacc. MS. 115. MV. 88. MV. 455. FI. 465.

Fuckelina Sacc. (Hyphom.)
socia Sacc. FV.ii. 326. FV.v 192.

Fumago Pers. (Hyphom.)
fungicola Sacc. M. 131.
Loniceræ Fck. MS. 210. M. 537. *V.* Capnodium.
salicina (Mart.) Tul. MS. 108. *V.* Capnodium.
vagans Pers. MS. 108. (Clad. Fum.) M. 537.
f. Clerodendri MV. 703.
f. Persicæ vulg. MV. 702.
f. Pruni domest. MV. 704.
f. Vitis viniferæ MV. 705.
Tiliæ Tul. M. 537.

Fusarium Lk. (Hyphom.)
album Sacc. M. 82. FI. 42.
ciliatum (AS.) Link. MS. 188. *V.* Microcera Massariæ.
corallinum Sacc. FV.v. 196. M. 82. FI. 41. MV. 568.
cyclogenum Sacc. FV.v. 197. MV. 569.
heteresporum Nees. FV.v. 197. MS. 125. MV. 300.
lagenarium Pass. MV. 1041.
miniatum Sacc. M. 83. FI. 43.
pallens Nees. FV. 197. MV. 570.
pyrochroum (Dmz.) Sacc. M. 534.

roseum Lk. MS. 117. MV. 367. M. 534.
sambucinum Fck. MS. 118.
Sphæriæ Fck. MS. 188.
Salicis Fck. MS. 188. MV. 299.
sarcochroum (Dmz.) S. M. 534.

Fusicladium Bon. (Hyphom.)
dendriticum (Wallr.) Fuch. MS. 182. MV. 585. *V.* Passalora dendritica.
f. *epiphyllum* MV. 1057.

Fusisporium Lk. (Hyphom.)
atrovirens Bk. M. 83. FI. 45. MV. 1038.
Biasolettianum (Cda.) Sacc. MV. 1040.
incarnatum Dmz. f. Tussilaginis Farfaræ MV. 1039.

G

Geaster Mich. (Lycop.)
fornicatus (Huds.) Fr. MS. 71. M. 7.
hygrometricus Pers. 71.
mammosus Fr. M. 453.
rufescens Pers. MS. 71.

Geminella Schröt. (Hypod.)
melanogramma (DC.) Mtgn. M. 241. MV. 1154.

Geoglossum Pers. (Discom.)
glabrum Pers. MS. 169.
glutinosum Pers. M. 444.
hirsutum Pers. MS. 169.
umbratile Sacc. M. 444.

Geotrichum Lk. (Hyphom.)
candidum Lk. M. 476.

Gibberella Sacc. (Pyren.)
† acervalis (Moug.) Sacc. M. 318.
Evonymi (Fckl.) Sacc. M. 317.
flacca (Wallr.) Sacc. M. 317.
pulicaris (Fr.) Sacc. M. 317. FV.iv. 5. MS. 118. M. 165.
subsp. moricola (C. DNtrs.) MS. 117.
f. lignicola et corticola. FV.iv. 5. MV. 652.
subsp. Saubinetii (DR. M.) FV.iv. 5. M. 513. MS. 117 (dispersa).
f. Zeæ MV. 927.
f. Bruguansiæ MV. 768.
f. Cucurbitæ MV. 93.
f. Sorghi MV. 92.
subsp. baccata (Wallr.) FV.iv. 5. MV. 653.
Saubinetii *V.* G. pulicaris.

Glœosporium Dmz. et M. (Melanc.)
ampelophagum (Pass.) Sacc. MV. 1234. M. 217-533.
alpinum Sacc. M. 130-217.
affine Sacc. M. 129-217. MV. 972.
cylindrospermum (Bonord.) Sacc. M. 220. MV. 969.
Carpini Desm. MS. 100. MV. 524. FV.v. 202. M. 220.
circinans Fckl. FV.v. 203. MV. 966.
crassipes Speg. Ampol. 7.
carthusianum Sacc. M. 193-221. FI. 86. MV. 970.
Fagi West. M. 218. MV. 1236.
fructigenum Berk. FV.v. 202. M. 217.
Juglandis (Lib.) Mtgn. M. 220. MV. 522. FV.v. 202.
f. Juglandis nigræ MV. 967.
Lindemuthianum Sacc. M. 129-217. MV. 1238.
macropus Sacc. M. 217.
nervisequum (Fckl.) Sacc. M. 262.
Orni Sacc. M. 219.
Platani (Mtgn.) Oud. M. 218. MV. 1235.
paradoxum (DNtrs.) Fckl. M. 219. MV. 1239.
Populi albæ Dmz. M. 219.
f. Tumulæ MV. 1291.
Populi (Lib.) Dmz. MV. 1237. M. 220-533.
Potentillæ Dmz. et Oud. M. 220.
f. Fragariæ (Lib.) MV. 1401.
Pisi (Lib.) Oud. M. 221. (potius Ascochyta).
phæsorum Sacc. M. 260-533.
Ribis (Lib.) Mtgn. et Dmz. FV.v. 202. M. 219. MV. 523.
Robergei Dmz. FV.v. 202. M. 219. MV. 968.
sphærelloides Sacc. M. 92-216. FI. 85. MV. 1096.
Tiliæ Oud. M. 218.
Thomasianum Sacc. M. 129-221.
truncatulum Sacc. M. 221. MV. 971.
tubercularioides Sacc. M. 130-217.
Venetum Speg. M. 477.

Glonium Mhlbg. (Pyren.)
amplum (Besk. Br.) Dub. MS. 158.
interruptum Sacc. MS. 159. M. 54. MV. 715 (lineare).
lineare (Fr.) DNtrs. MS. 159. M. 54.

v. angustissimum DNtrs. MV. 918.
microsporum Sacc. FV.iv. 25. M. 98. FI. 121.
f. Quercus MV. 261.
f. Castaneæ MV. 714.
f. Robiniæ MV. 1281.
pygmæum Karst. M. 413. MV. 1380.

Gnomonia C. et DNtrs. (Pyren.)
Coryli (Batsch.) Auersw. MS. 100. MV. 913.
devexa (Dmz.) Awd. M. 28. MV. 1165. M. 507.
erythrostoma (Pers.) Awd. M. 382. Fl. 375.
Epilobii (Fckl.) Awd. M. 439. MV. 1354. FI. 436.
Veneta Speg. M. 457. FI. 631.
fimbriata (Pers.) Auersw. MS. 100. MV. 160.
inclinata (Desm.) Auersw. MS. 100. MV. 1166.
leptostyla (Fr.) Ces. et DNtrs. M. 28. MV. 1174. M. 507.
setacea (Pers.) DNtrs. MS. 100. MV. 914.
tubiformis (Tode) Auersw. MS. 100.
tetraspora Wint. M. 382. FI. 376.
vulgaris Ces. et DNtrs. M. 245. M. 457.

Gonatobotrys Cda. (Hyphom.)
flava Bon. M. 84. FI. 47.
fusca Sacc. M. 84. FI. 48. MV. 1090.

Gonytrichum Nees (Hyphom.)
cæsium Nees. FV. 192. MV. 296.

Gomphidius Fr (Hymen.)
glutinosus (Schäff.) Fr. MS. 38.
viscidus (L.) Fr. MS. 38. MV. 810.

Grandinia Fr. (Hymen.)
granulosa (Pers.) Fr. FV.v. 164.

Graphiola Poit. (Hypod.)
Phœnicis Poit. MV. 1322. M. 541.

Graphium Cda (Hyphom.)
aspergilloides Speg. M. 476.
cinerellum Speg. in Thm. Pilz. Weinst. p. 55.
Desmazierii Sacc. FI. 394.
fasciculatum Sacc. M. 76. FI. 13. MV. 739.
fissum Pr. M. 77. FI. 15.
macrocarpum Corda MS. 187. V. Acroth. bulb.
penicillioides Cda. M. 77. FI. 16.
stilboideum Cda. M. 77. FI. 14.

Guepinia Fr. (Hymen.)
Buccina Sacc. MS. 60. FV.v. 210. MV. 31 (Sec. cl. Cesati = Dacryomyces contortus Ces).

Gymnosporangium Lk. (Hypoder.)
clavariiforme (Wulf.) DC. MS. 87.
conicum DC. MS. 88.
Juniperi Lk. MS- 88.

Gymnosporium Cda. (Hyphom.)
Bambusæ Thüm. et Bolle M. 352. MV. 1287.
rhizophilum Pr. MS. 107.
viride Cda. FV.v. 186.

Gyroceras Cda. (Hyphom.)
Celtis (Biv.) Mtgn. et Ces. MV. 276.
Plantaginis (Cda.) Sacc. M. 266. MV. 1058.

Gyromitra Str. (Discom.)
esculenta (Pers.) Str. MS. 170.

H

Habrostictis Fckl. (Discom.)
rubra Fckl. M. 61.

Hadotrichum Fckl. (Hyphom.)
Populi Sacc. M. 264. MV. 1256.
Phragmitis Fckl. MV. 234.

Haplotrichum Lk. (Hyphom.)
pullum MS. 185. Botrytis vulgaris.
glomerulosum (Bull.) Harz. MS. 188. (Œdoc. elegans).

Helicomyces Lk. (Hyphom.)
roseus Lk. FV.v. 186. MV. 1245.

Helicotrichum Nees. (Hyphom.)
vegetum (Nees.) Wallr. M. 272.

Helicosporium Nees (Hyphom.)
lumbricoides Sacc. M. 86. FI. 56.
obscurum Corda MS. 179.
pulvinatum Pers. MS. 179.

Helminthosphæria Fckl. (Pyren.)
Clavariæ (Desm.) Fuck. MS. 115.

Helminthosporium Pers. (Hyphom.)
belonidium Sacc. M. 97. FI. 113.

cylindrosporum Sacc. FV.v. 191. M. 85. FI. 53. MV. 1042.
echinulatum Berk. FV.v. 191. MV. 1043.
fasciculare Cda. M. 538.
fusiforme Cda. M. 538.
Hirudo Sacc. M. 85. FI. 54.
hormiscioides (Cda.) Sacc. M. 85-132. FI. 55.
macrocarpum Grev. MS. 180. MV. 352. M. 538.
obovatum Berk. MS. 180.
obclavatum Sacc. M. 85. FI. 52.
rhopaloides Fres. M. 538.
turcicum Pass. M. 270.
Tiliæ Fr. M. 537.
velutinum Link. MS. 180.

Helotium Fr. (Discom.)
arundinellum S. et S. M. 426.
caulicola (Fr.) FV.iv. 34.
Cacaliæ (Fr.) Sacc. *fumigatum S. et S. M. 427.
collinum Speg. M. 473.
citrinum (Hedw.) Fr. MS. 165. M. 515.
ceracellum Sacc. FV.iv. 34. (Peziza).
epiphyllum (Pers.) Fr. FV.iv. 37. MV. 1387.
ferrugineum (Bull.) Fr. MS. 165.
fructigenum (Bull.) Fckl. MS. 165.
flavo-rufum Sacc. FV.iv. 37. i. 191. M. 98. FI. 116.
Galbula Karst.* sulphurellum Sacc. FV.iv. 34. (Peziza).
Herbarum (Pers.) Fr. FV.iv. 37.
Humuli (Lasch.) DNtrs. MV. 960. MS. 211.
immutabile Fckl. FV.iv. 37.
lenticulare (Bull.) Fr. MS. 165. MV. 267.
nanum Sacc. FV.iv. 36. M. 98. FI. 115.
pallidulum Sacc. FV.iv. 36.
pertenue Sacc. FV.iv. 34. (Peziza).
punctatum (Grev.) Fr. M. 68. M. 426. *robustellum (Karst.) M. 426.
papillare (Bull.) Karst. M. 426.
phyllophilum (Dmz.) Karst. M. 442.
querceti Sacc. M. 68. FI. 117.
rubicola (Fr.) Fckl. FV.iv. 37.
serotinum (Pers.) Fr. MS. 165.
salicellum Fr. MV. 266.
Salicinum (Pers.) Fckl. MS. 165. *V.* H. salicellum.
subtile Fr. MS. 165.
v. proximellum Karst. M. 68.
Scutula (Pers.) Karst. FV.iv. 37. MV. 728. M. 427.
var. petiolicola FV.iv. 37.
var. epicalamium Karst. M. 427.
strobilinum (Fr.) Fck. FV.v. 185.
sarmentorum DNtrs. M. 67.
trabinellum Karst. M. 427.
virgultorum Fr. MS. 165.
vitigenum DNtrs. FV.iv. 37. MV. 959.

Helvella L. (Discom.)
crispa (Scop.) Fr. MS. 169. MV. 1385.
elastica Bull. MS. 169. MV. 1384. M. 552.
Ephippium Lév. M. 444.
Infula Schäff. MS. 169.
lacunosa Afz. MS. 169.
Mitra Pers. MS. 169.
Monachella (Scop.) Fr. MS. 170.
pezizoides Afzel. MS. 169.
pulla Holmsk. MS. 169.

Hemitrichia Rost. (Myxom.)
clavata (Pers.) Rost. FV.iv. 40.
Serpula (Scop.) Rost. MV. 171. (Trichia).

Hendersonia Berk. (Sphærops.)
arundinacea Dmz. M. 211.
Alcides Sacc. M. 215.
acericola Sacc. M. 216.
allantella Sacc. M. 517.
arenaria Sacc. M. 124.
basitricha Sacc. M. 516.
biseptata Sacc. M. 95. FI. 96.
Coronillæ S. et S. M. 208. *Lauri M. 516.
culmicola Sacc. M. 210. 517.
corylaria. Sacc. M. 216.
crastophila Sacc. M. 211.
charticola Sp. M. 483.
Corni Fckl. MS. 200. *V.* H. Fiedleri.
Cookeana Sp. Amp. 27.
Donacis Sacc. M. 211.
Desmazierii Mtgn. M. 214.
Dulcamaræ Sacc. M. 215.
elegans Berk. MS. 199. M. 211.
eustoma Sacc. FV.ii. 319. v. 207.
Fiedleri (Rabh.) West. M. 212.
fusarioides Sacc. M. 213. MV. 998.
foliorum Fuck. MS. 200. M. 215.
fructigena Sacc. M. 212.
graminella Sacc. M. 210.
Heraclei Sacc. M. 213.
incrustans Sacc. M. 208.
ichthyospora Sacc. M. 124.
Ischæmi Sacc. M. 201.
Luzulæ West? M. 210. 517.
Letendreana Sacc. M. 517.

lagenaria Sacc. M. 212. MV. 997.
Mori Sacc. M. 208.
Magnoliæ Sacc. M. 216.
martialis Sp. M. 484.
macrospora Berk. Br. M. 209.
macrospora MS. 199. *V.* H. pulchella.
Oleæ (DC.) Dmz. FV.v. 207. MV. 356.
polymorpha Sacc. M. 208.
pura Sacc. M. 211.
pulchella Sacc. M. 213. MS. 200.
paludosa S. et S. M. 353. MV. 1293.
propinqua Sacc. M. 516.
pyricola Sacc. FV.II. 311. FV.v. 207.
quercina Sacc. M. 213.
rubicola Sacc. M. 209.
Rubi West. M. 214.
rupestris S. et S. M. 215.
Robiniæ West. MS. 120.-199. M. 207.
riparia Sacc. M. 124.
suseganensis S. et S. M. 209.
Saubinetii Mtgn. M. 209.
Sambuci Müll. M. 213.
sarmentorum West. MS. 200. M. 214.
sarmenticia M, 96. FI. 97.
subseriata FV.v. 207. *V.* H. culmic.
Triacanthi Sacc. M. 507.
Tini Sacc. M. 209.
Tecomæ Sacc. M. 212.
Torminalis Sacc. FV.v. 207. MV. 513.
vagans Fckl. MS. 199.

Hercospora Fr. (Pyren.)
Tiliæ (Fr.) Tul. FV.v. 179. MV. 676.

Herpotrichia Fckl. (Pyren.)
Schiedermayeriana Fuck. FV.II. 326. M. 99. FI. 143. MV. 161.

Heterosphæria Gr. p. p. (Discom.)
Patella (Tode) Fr. MS. 160.

Himantia Pers. (Hyphom. Mycel.)
candida Pers. FV.v. 210. MV. 560.

Hippocrepidium Sacc. (Hyphom.)
Mespili Sacc. MV. 275. *V.* Hirudinaria.
Oxyacanthæ Sacc. MV. 274. *V.* Hirudinaria macrospora.

Hirudinaria Ces. (Hyphom.)
Mespili Ces. FV.v. 190. MV. 275.
macrospora Ces. FV.v. 190. MV. 274.

Hormiscium Kze (Hyph. Saccharom.)
Cerevisiæ Bail. MS. 176. *V.* Saccharomyces Cerevisiæ Rees.
Vini Kunze MS. 176. *V.* Saccharomyces ellipsoideus Rees.

Hormococcus Pr. (1852.) — Trullula Ces. (1852, posterius?) (Sphærops?)
hysterioides Speg. MV. 478.
olivascens Sacc. M. 94. FI. 91.

Humaria Fckl. (Discom.)
brunnea (A. S.) Fckl. FV.IV. 38. *V.* Peziza.
diversispora (Fckl.) Speg. M. 236. *V.* Peziza.
hemisphærica (Wigg.) Fuck. MS. 166. *V.* Peziza.
**affinis* Sacc. FV.IV. 38.
pulcherrima (Cr.) Speg. M. 237. *V.* Peziza.
scutellata (L.) Fckl. MS. 166. MV. 955. M. 70. *V.* Peziza.
stercorea (Pers.) Fuck. MS. 166. M. 237. *V.* Peziza.
setosa (Nees.) Fckl. FV.IV. 38. M. 70. *V.* Peziza.
sublivida S. et S. M. 443. *V.* Peziza.
trechispora (B. Br.) Sacc. MV. 955. M. 70. *V.* Peziza.

Hyalopeziza Fckl. (Discom.)
ciliaris (Schrad.) Fuck. MS. 163. M. 428. MV. 265.
pulchella M. 428.
Caricis (Desm?) Sacc. FV IV. 33. M. 97. FI. 112.
carneola Sacc. M. 253. MV. 1193.
patula Fckl. M. 66.

Hydnum L. (Hymen.)
Auriscalpium MV. 828. FV.v. 164.
argutum Fr. MS. 59. MV. 416.
compactum Fr. MS. 57.
cinereum Bull. MS. 58. MV. 825.
coralloides Scop. MS. 58.
cyathiforme Schäff. M. 363.
diaphanum Schrad. M. 5.
Erinaceus Bull. MS. 58. MV. 827.
ferrugineum Fr. MS. 58.
farinaceum Pers. MS. 59.
gelatinosum Scop. MS. 58.
geogenium Fr. M. 368.
hirtum Dmz. M. 4. MV. 829.
imbricatum L. MS. 57. MV. 823.
mucidum Pers. MS. 59.
Montellicum Sacc. M. 4.
nigrum Fr. M. 4.

var. olivaceo-cinereum Fr. M. 4.
pudorinum Fr. M. 4. MV. 1109.
repandum L. MS. 57. MV. 824.
rufescens Schäff. MS. 57.
subsquamosum Batsch. MS. 57.
scabrosum Fr. MS. 57.
scrobiculatum Fr. MS. 58.
tomentosum L. MS. 58.
zonatum Batsch. MS. 58. MV. 826.

Hydrophora Tode (Phycom.)
stercorea Tode M. 12.

Hygrophorus Fr. (Hymen.)
(Camarophyllus) cinereus Fr. M. 2.
(Camarophyllus) niveus (Scop.) Fr. MS. 38.
(Camarophyllus) pratensis (Pers.) Fr. MS. 38.
(Hygrocybe) ceraceus (Wulf.) Fr. MS. 39.
(Hygrocybe) coccineus (Schäff.) Fr. MS. 39.
(Hygrocybe) conicus (Scop.) Fr. MS. 39. MV. 418. M. 548.
var. caccineus Fr. MS. 39.
(Hygrocybe) lætus (Pers.) Fr. M. 3.
(Hygrocybe) puniceus Fr. MS. 39.

Hyphelia Fr. (Hyphom).
terrestris Fr. MS. 186.

Hyphoderma Fr. (Hyphom.)
roseum (Pers.) Fr. MS. 187. MV. 1077.

Hypocrea Fr. (Pyren.)
† alutacea (Pers.) Ces. et DNtrs. M. 302.
† atrata Karst. M. 302.
† armata Fr. M. 303.
† albo-fulva B. et Br. M. 304.
† Artocreas B. et Br. M. 305.
† armeniaca B. et C. M. 305.
† atrovirens Mtgn. M. 306.
† brevipes Mtgn. M. 304.
† catoptron B. et Br. M. 303.
† contorta (Schw.) B. et C. M. 304.
† chlorospora B. et C. M. 304.
† cervina B. et C. M. 305.
† corticioides B. et Br. M. 305.
† cerebriformis Bk. M. 305.
† citrina (Pers.) Fr. M. 301.
*fungicola M. 301.
† delicatula Tul. M. 303.
† discella B. et Br. M. 303.
† deplanata R. et Br. M. 303.
† farinosa B. et Br. M. 303.
† fusca Mtgn. M. 304.
† Fibula DNtrs. M. 304.
† fusigera B. et Br. M. 305.
gelatinosa (Tode) Fr. FV.IV. 24. M. 301.
hypomycella Sacc. M. 302.
† hæmatoplaca Mtgn. M. 304.
† inclusa B. et Br. M. 303.
† insignis B. et C. M. 305.
† impressa Mtgn. M. 306.
† jecorina B. et Br. M. 303.
† lactea Fr. M. 302.
† larvata Mtgn. M. 304.
† lætior B. et C. M. 304.
† multiformis B. et Br. M. 303.
† maculiformis B. et C. M. 305.
† ochroleuca B. et Br. M. 305.
† parasitans B. et C. M. 303.
† pezizoides B. et Br. M. 503.
† palmicola B. et C. M. 303.
† Petersii B. et C. M. 304.
† polyporoidea B. et C. M. 305.
† Pocula (Fr.) Sacc. M. 306.
† phyllogena Mtgn. M. 306.
† pulvinata Fckl. M. 301.
† rigens (Fr.) Sacc. M. 301.
† Richardsoni B. et Mtgn. M. 304.
† Ravenelii B. M. 305.
rufa (Pers.) Fr. MS. 124. FV.IV. 24. M. 301. MV. 689.
var. lateritia FV.IV. 14. M. 301.
var. sublateritia FV.IV. 24.
var. umbrina FV.IV. 24.
† stipitata (Lib.) Fckl. M. 302.
† solenostoma B. et Rav. M. 303.
† Schweinizii (Fr.) Sacc. M. 304.
† stercorea (Schw.) B. et C. M. 304.
† viridans B. et C. M. 305.
† saccharina B. et C. M. 305.
* agaricicola B. et Br. M. 305.
† subviridis B. et C. M. 305.
† spinulosa Fckl. M. 301.
† tuberculariformis Rehm. M. 302.
† tuberiformis B. et Rav. M. 305.
† tremelloides (Schum.) Fr. M. 301.
† viridi-rufa B. et Rav. M. 304.
† variabilis Curr. M. 306.
† vitalba B. et Br. M. 306.

Hypocrella Sacc. (Pyren.)
† atramentosa (B. et B.) M. 323.
† Bambusæ (B. et Br.) M. 323.
† discoidea (B. et Br.) M. 322.
† semiamplexa (Berk.) Cfr. M. 323.
† scutata (Cke.) Sacc. Cfr. Grevill. 1878 p. 14.
† riccioidea (Bolt.) Karst. M. 306.

Hypoderma DC. (Pyren.)
commune (Fr.) Duby. MS. 158.
conigenum (Fr.) Cooke M. 56.
Hederæ (Mart.) DNtrs. MS. 158. M. 57.
f. Evonymi japonici MV. 951.
scirpinum Duby M. 56.
virgultorum DC. MS. 158. M. 57. M. 514.
f. Rubi MV. 720.
f. Cynanchi MV. 718.
stat. spermog. MV. 719.

Hypomyces Fr., Tul. (Pyren.)
† aureo-nitens Tul. M. 285.
† asterophorus Tul. M. 285.
† aurantius (Pers.) Fckl. M. 285
† albus Cr. M. 287.
† agaricola (Chaill. Fr.) M. 287.
† bombacinus Karst. M. 286.
† Baryanus Tul. M. 286.
† Broomeanus Tul. M. 286.
cervinus (Ditm.) Tul. MS. 124. M. 285.
† chlorinus Tul. M. 287.
chrysospermus (Bull.) Tul. MS. 124. M. 285.
† chrysostomus B. et Br. M. 287.
chromaticus B. et Br. M. 287.
† Cesatii (Mtgn.) Tul. M. 288.
† decipiens Tul. M. 286.
† fulgens (Fr.) Karst. M. 286.
† fusisporus Tul. M. 286.
† hyalinus (Schw.) M. 287.
Linkii Tul. MS. 124. M. 284.
† luteo-virens (Fr.) Tul. M. 286.
† lateritius (Fr.) Tul. M. 285.
† Lactifluorum (Schw.) Tul. M. 287.
† Melanostigma Tul. M. 286.
† miliarius Tul. M. 287.
† ochraceus (Pers.) Tul. M. 286
Peziæ Tul. M. 285.
† pæonius B. et Br. M. 287.
rosellus (A.S.) Tul. MS. 124. M. 285.
† roseus (A.S.) Tul. M. 285.
† stilbiger B. et Br. M. 287.
† torminosus (Mtgn.) Tul. M. 284.
† tomentosus Fr. M. 286.
† Tegillum B. et C. M. 287.
† tuberosus Tul. M. 287.
† violaceus (Schmidt) Tul. M. 286.
† viridis (A.S.) Karst. M. 286.

Hyponectria Sacc. (Pyren.)
Buxi (DC.) Sacc. M. 250-281-330-513. FI. 100. MV. 1191.
f. Quercus Ilicis MV. 1276.
flavo-nitens S. et S. M. 441.

Hypospila Fr. (Pyren.)
quercina Fr. M. 28. MV. 912.

Hypoxylon Bull. pp. (Pyren.)
atro-purpureum Fr. FV.v. 183. FI. 577,
bifrons DNtrs. M. 497. FI 579.
Bagnisii Sacc. M. 24-99. FI. 148.
coccineum Bull. MS. 152. MV. 252. FI. 566.
concentricum Grev. MS. 153. *V.* Daldinia.
commutatum Nke. MS. 211. FI. 567.
cohærens (Pers.) Fr. FV.iv. 22. FI. 570.
effusum Nke FV.v. 183. FI. 572.
fuscum (Pers.) Fr. MS. 152. FI. 569. M. 507.
f. Alni MV. 253.
f. Alni, minor MV. 675.
f. Carpini MV. 674.
gastrinum Fr. MV. 154. *V.* Anthostoma.
luridum Nke. FV.iv. 22. M. 24. FI. 147.
Michelianum DNtrs. FV.v. 183. MV. 671. FV. 576.
multiforme Fr. FV.v. 184. FI. 573.
pulchellum Sacc. FV.iv. 21. M. 99. FI. 147.
purpureum Nke. FV.iv. 22. FI. 571.
rubiginosum (Pers.) Fr. FV.iv. 22. FI. 574.
f. Rhamni cathartici MV. 673.
f. Quercus pedunc. MV. 672.
serpens (Pers.) Fr. MS. 152. MV. 254. FI. 575. M. 507.
unitum (Fr.) Nke. FV.iv. 22. FI. 578.

Hysterium Tode pp. (Pyren.)
australe Duby FV.iv. 25. MV. 1277.
angustatum A.S. M. 55-514.
biforme Fr. MS. 211. FV.iv. 26. MV. 711.
Berengérii Sacc. FV.iv. 25. M. 98. FI. 122.
Berberidis Schlechtd. MS. 157. *V.* Lophodermium xylomoides.
elongatum Wahl. MS. 158. *V.* H. Bérengerii.
elatinum Pers. MS. 156 (Krempelhuberia Cadubriæ, teste Rehm, Asc. n. 25).
frutic.um Sacc. M. 414.
Fraxini Pers. MS. 158. *V.* Hysterographium.
minimum Sacc. FV.iv. 27. M. 98. FI. 123.

Moliniæ DNtrs. M. 152. MV. 1176.
microthecium S. et S. M. 414.
pulicare Pers. MS. 158. FV.iv. 26. M. 414-514.
*H. fruticum Sacc. M. 414.
*H. vulgare DNtrs. M. 414. MV. 1381.
f. Oleæ MV. 710.
f. Robiniæ Pseudacaciæ MV. 1382.
f. Quercus MV. 709.
vulgare DNtrs. M. 414. MV. 1381.

Hysterographium Cda. (Pyren.)
Fraxini (Pers.) DNtrs.
f. Orni MV. 260. M. 514. MS. 158 (Hysterium).
f. Catalpæ MV. 947.
f. Oleæ MV. 712 (?Hysterium speciosum Rud. in Linnæa 1829 p. 119, in Olea ad Benacum).
grammodes (DNtrs.) Sacc. 413. MV. 1279.
hiascens Rhm. M. 468.
Megalographa (Anzi.) Sacc. M. 57.

K

Kalmusia Niessl. (Pyren.)
dealbata Sacc. FV.v. 179. M. 99-460. FI. 139. MV. 677.

Kneiffia Fr. (Hymen.)
setigera Fr. FV.v. 165.

Krempelhuberia Mass. (Pyren.)
Cadubriæ Mass. MS. 156. *V.* Hysterium clatinum.

I

Illosporium Mart. (Hyphom.)
maculicola Sacc. M. 263. MV. 1233.
olivatrum Sacc. M. 90. FI. 79.
roseum Fr. M. 263.
tuberculosum Sacc. M. 534

Isaria Hill. (Hyphom.)
arachnophila Ditm. MV. 477.
corallina Fr. MS. 187.
epiphylla Pers. MS. 187.
farinosa Fr. MS. 125. MV. 477.
filamentosa Sacc. M. 132.
stilbiformis Speg. M. 476.
umbrina Pers. MS. 152.

Isariopsis Fr. (Hyphom.)
albo-rosella (Dmz.) Sacc. M. 273. MV. 1247. (I. pusilla).
griseola Sacc. M. 273. MV. 1248.
pusilla Fres. M. 273. MV. 1247. I. albo-rasella.

Irpex Fr. (Hymen.)
canescens Fr. MS. 59. MV. 29.
f. effusus MV. 30.
heterodon Sacc. MS. 59.
obliquus (Schrad.) Fr. 59. MV. 30

L

Lactarius Pers. Fr. (Hymen.)
aspideus Fr. MS. 39.
Azonites (Bull.) Fr. MS. 40.
camphoratus (Bull.) Fr. MS. 41.
deliciosus (L.) Fr. MS. 40.
Flammeolus (Poll.) Fr. MS. 40.
pyrogalus (Bull.) Fr. MS. 39.
plumbeus (Bull.) Fr. MS. 40.
piperatus (Scop.) Fr. MS. 40.
subdulcis (Bull.) Fr. MS. 41. M. 547.
uvidus Fr. MS. 39.
volemus Fr. MS. 40.
vellereus Fr. MS. 40. MV. 811.
zonarius (Bull.) Fr. MS. 39.

Lachnella Fr. (Discom.)
albo-violascens (A.S.) Fr. MS. 161. *V.* Cyphella.
barbata (Kze.) Fr. FV.iv. 30. M. 66. MV. 1193.
Berberidis (Pers.) Fckl. FV.v. 185.
brunneola (Dmz.) Sacc. M. 66.
corticalis (Pers.) Fr. MS. 161. M. 472.
macrochæta Speg. M. 428.
rhodophæa Sacc. M. 66.

Læstadia Awd. (Pyren.)
Cookeana (Awd.) Sacc. FV.v. 175. MV. 782. FI. 544.
carpinea (Fr.) Sacc. FI. 543. MS. 93. MV. 71.
Veneta S. et S. M. 351. M. 369. MV. 1266. FI. 355.
*L. cylindrasca S. et S. M. 369. FI. 356.

Lasiobotrys Kze. (Pyren.)
Loniceræ Kze M. 366. MV. 1353. FI. 407.

Lasiosphæria Ces. et DNtrs. (Pyren.)
ambigua Sacc. M. 46. M. 332. FI. 218.
hispida (Tode) Fckl. MV. 683. FI. 558.
hispidula S. et S. M. 406. FI. 390.

hirsuta (Fr.) Ces. et DNtrs. MS. 210. FI. 556. M. 512.
minuta Fuck. FV.II. 327. M. 46. M. 332. FI. 217.
ovina (Pers.) Ces. et DNtrs. M. 45. MV. 1155. FI. 559. M. 512.
perpusilla Sacc. FV.II. 327. M. 99. FI. 141.
pygmæa S. et S. M. 406. FI. 389.
Racodium (P.) Ces. et DNtrs. MV. 779. FI. 557. M. 512.
sulphurella Sacc. M. 440. FI. 438.
scleracantha Sacc. M. 46. FI. 560.

Lecanidion Rabh. (Discom.)
atratum (Hedw.) Rabh. MS. 161. MV. 263. M. 514.
Bagnisianum Sacc. M. 58. M. 97. FI. 110.
herbarum Sacc. FV.IV. 30. M. 97. FI. 109.

Leciographa Mass. (Discom. v. Lich.)
parasitica Mass. MS. 156.

Lentinus Fr. (Hymen).
tigrinus Bull. Fr. MS. 44. MV. 3. M. 548.

Lenzites Fr. (Hymen.)
atropurpurea Sacc. MS. 45.
abietina (Bull.) Fr. MS. 46.
betulina (L.) Fr. MS. 45. MV. 6.
var. lutescens MS. 45. MV. 7.
sepiaria (Wulf.) Fr. MS. 45.
v. resupinata Fr. MS. 45. MV. 1303. M. 539.
v. porosa Fr. MS. 45.
v. dædaloidea reflexa MV. 1302. M. 539.
*L. crocata Sacc. M. 539.
variegata Fr. MS. 45.

Leotia Hill. (Discom.)
lubrica (Scop.) Pers. MS. 162.
var. minor MS. 162.

Lepista Smith. (Hymen.)
nuda (Bull.) Smith. MS. 38.
personata (Fr.) Smith. MS. 38.

Leptomitus Ag. (Hyphom. v. Alg.)
Ceratophylli Ag. MS. 175.
exilarioides Menegh. MS. 175.

Leptosphæria Ces. et DNtrs. (Pyren.)
anarithmoides Sacc. et Speg. M. 395. FI. 366.
anarithma (B. et Br.) Sacc. M. 395. FI. 400.
Apogon S. et S. M. 398. FI. 326.
arvensis Speg. M. 459. FI. 632.
agminalis Sacc. et Morth. M. 498. FI. 634.
amphibola Sacc. FV.II. 322. FV.V. 210. M. 342. FI. 278.
Alcides Sacc. FV.V. 176. M. 340. FI. 259.
Ægira Sacc. M. 37-340. FI. 257.
anceps Sacc. M. 120. FI. 513.
Achilleæ (Auersw.) Ces. et DNtrs. MS. 104. M. 449. *V.* Lophiostoma bicuspid.
acuta (Moug. Nest.) Fuckl. MS. 105. FV.II. 316. FI. 493. M. 510.
arundinacea (Sow.) Sacc. MS. 107. FV.II. 320. M. 342. FI. 276.
Aglaja Sacc. FV.II. 310. M.341. FI. 267.
Aconiti Sacc. FV.II. 315. M. 342. FI. 283.
agnita (Desm.) Ces. et DNtrs. FV.II. 316. FI. 506. M. 511.
anthophila S. et S. M. 396. FI. 364.
bryophila Sacc. FV.II. 219. M. 341. FI. 271.
bractearum S. M. 397. *V.* L. carpophila.
Cumana S. et S. M. 394. FI. 327.
Cerlettii Speg. M. 398.
culmifraga (Fr.) Ces. et DNtrs. MS. 107. FV.II. 321. v. 210. M. 511. FI. 496. 488
Camilla Sacc. FV.II. 312. M. 341. FI. 260.
carpogena Sacc. FV.II. 313. M. 341. FI. 269.
carpophila Sacc. FV.II. 314. M. 341. M. 397. FI. 270.
*bractearum M. 397.
calvescens (Fr.) Sacc. FV.II. 315. *V.* Pleospora calv.
Castagnei (DR. et Mtgn.) Sacc. FV.II. 317. M. 342. FI. 286.
Coniothyrium (Fuck.) Sacc. FV.II. 317. FVv. 200. FI. 485. MS. 98.
*Kerriæ S. FV.II. 317. FI. 486.
crastophila Sacc. FV.II. 321. FI. 509.
culmicola (Fr.) Karst. FV.II. 322. v. 207.
*minor FV.II. 322. FI. 494. 486
*major FI. 495.
conoidea DNtrs. MS. 103. MV. 76. FV.II. 314. FI. 500.
Convallariæ (Fckl.) Sacc. M. 38-341. FI. 272.

corticola (Fckl.) Sacc. M. 342. Fl. 288.
Doliolum (Pers.) Ces. et DNtrs. MS. 103. FV.II. 314. Fl. 499. M. 511.
f. Urticæ dioicæ MV. 1350.
donacina Sacc. MS. 107. FV.II. 320. Fl. 504.
dryadea Sacc. FV.II. 311. M. 340. Fl. 258.
dumetorum Niessl. FV.II. 316. Fl. 498.
f. Clematis Vitalbæ MV. 682.
Diana S. et S. M. 398. Fl. 322.
Euphorbiæ Niessl. M. 397. Fl. 363.
eustoma (Fr.?) Sacc. MS. 210. FV.II. 319. v. 207. Fl. 497.
eustomoides Sacc. FV.II. 319. M. 342. Fl. 277.
Fiedleri (Niessl) Sacc. M. 39. 342. Fl. 289.
fuscella (B. et Br.) Ces. et DNtrs. M. 39. 342. Fl. 287.
Galiorum (Reb.) Ces. et DNtrs. MS. 104. FV.II. 315. Fl. 429.
galiicola Sacc. MS. 104. FV.II. 315. Fl. 517.
*brachyspora Sacc. Fl. 518.
Graminum Sacc. M. 119. Fl. 515.
grandispora Sacc. M. 341. Fl. 274.
hiemalis S. et S. M. 395. Fl. 365.
helminthospora (Ces.) DNtrs. M. 369. Fl. 399.
helvetica S. et S. M. 399. Fl. 324.
hydrophila Sacc. FV.IV. 320. M. 342. Fl. 280.
herpotrichoides DNtrs. FV.II. 322. Fl. 503.
hyalospora Sacc. FV.II. 323. M. 341. Fl. 273.
heterospora (DNtrs.) Niessl. M. 393.
helicicola (Desm.) Niessl. FV.IV. 313. Fl. 260.
Hederæ (Sow.?) Sacc. FV.II. 313. Fl. 507. MS. 96 (Sphæria).
ludibunda M. 107 (err. typ.) *V.* L. vagabunda.
Libanotis (Fckl.) Sacc. M. 511.
luctuosa Niessl. FV.II. 321. Fl. 502.
littoralis Sacc. M. 38. 99. 119. Fl. 144.
lathyrina Sacc. MS. 105. *V.* L. Niesleana.
Lathyri Sacc. MS. 106. FV.II. 316. Fl. 512.
Lathonia Sacc. FV.II. 310. M. 341. Fl. 261.
Lucilla Sacc. FV.II. 311. M. 341.
micropogon Sacc. FV.II. 320. M. 342. Fl. 265.
modesta (Dmz.) Awd. M. 37. 343. 396. 515. Fl. 291.
f. Digit. grandif. MV. 1351.
*Cibostii Ces. et DNtrs. Fl. 521. M. 494.
Michotii (West.) Sacc. M. 342. Fl. 279.
massariella S. et S. M. 393. Fl. 362.
massarioides S. et S. M. 394. F. 328.
Medicaginis Sacc. MS. 105. FV.V. 317. Fl. 492.
maculans (Desm.) Ces. et DNtrs. FV.II. 316. Fl. 511. M. 510.
marginalis Sacc. M. 244-341. Fl. 262. MV. 1162.
nectrioides Speg. M. 458. Fl. 633.
nobilis FV.II. 312. M. 341. Fl. 260.
Niessleana Rbh. FV.II. 315. Fl. 505.
Ophiopogonis Sacc. FV.II. 321. Fl. 510. MS. 94 (Sphæria).
ogilviensis (B. et Br.) Ces. et DNtrs. FV.V. 176. Fl. ~~386.~~ 514
f. Picridis hieracioidis MV. 681.
obesa (Dur. et Mtgn.) Sacc. M. 38. 342. Fl. 284.
oreophila Sacc. M. 120. Fl. 514.
puccinioides Speg. M. 459.
pleosporoides Awd. M. 511.
Pamona Sacc. FV.V. 176. M. 341. Fl. 266.
platycarpa Sacc. M. 342. Fl. 290.
pyrenopezizoides S. et S. M. 394. Fl. 323.
Passerini Sacc. *V.* L. modesta.
petiolicola Sacc. MS. 104. FV.II. 313. Fl. 491.
Parietariæ Sacc. MS. 106. FV.II. 316. Fl. 501.
Penicillus (Schrad.) Sacc. MS. 210. FV.II. 315. *V.* L. spectabilis.
papulosa (DR. et M.) Sacc. FV.II. 313. Fl. 519.
Rusci (Wallr.) Sacc. MV. 680. Fl. 508. MS. 96. (Sphæria).
f. Hippoglossi MV. 777.
riparia Sacc. M. 39. Fl. 481.
rupicola Sacc. M. 342. Fl. 282.
rubicunda Rhem. FV.II. 315. M. 343. Fl. 292.
sæpincola (Fr.) Sacc. MS. 210 (Sphæria). — An var L. Coniothyrii?
sicula Sacc. et Beltr. M. 397. Fl. 325.
Sambuci Sacc. MS. 104. *V.* Lophiostoma.
scotophila Sacc. FV.II. 317. M. 342. Fl. 281.
suffulta (Nees) Niessl. M. 38. MV. 923. Fl. 520.

spectabilis Niessl. M. 342. FI. 285. MS. 210. FV.II. 316. (L. Penicillus).
Typharum (Rabh.) Karst. MS. 106. FV.II. 321. FI. 484.
trimera Sacc. FV.II. 319. *V.* L. Cibostii.
Typhæ Karst. FV.II. 321. FI. 483.
Vincæ (Fr.) Sacc. M. 37. FI. 482.
vinealis Pass. M. 398.
vagabunda Sacc. FV.II. 318. v. 200. 511. MS. 97. (Sphæria fuscella).
*Ampelopsidis MV. 72.
*sarmenti FI. 428. M. 491.
*Salicis MV. 73.
*Viburni Lantanæ FI. 487.
*Citri Limonii FI. 488.
*divergens S. FI. 489. M. 493.
Yulan Sacc. FV.II. 312. M. 341. FI. 260.

Leptospora Rabh. (Pyren.)
crinita (Pers.) Fuck MS. 108.
spermoides (Hoffm.) Fuck. MS. 108. MV. 78. FI. 561. M. 512.
strigosa (A.S.) Fuck (?) MS. 210.

Leptostroma Fr. (Sphærops.)
Castaneæ Spr. M. 261. MV. 990.
hysterioides Fr. MV. 719.
litigiosum Desm. MS. 144. MV. 233.
Pinastri Desm. MS. 100. MV. 989.
quercinum Lasch. M. 261.

Leptothyrium K. et S. (Sphærops.)
acerinum (Kze.) Cda M. 202. MV. 996.
alneum (Lev.) Sacc. M. 202.
Coryli Fuckl. MS. 100.
dryinum Sacc. M. 202.
Dryadearum Dmz. NV 694 *V.* Glæosporium Potentillæ.
macrothecium Fckl. M. 202.
pictum B. et Br. M. 94. 203. FI. 93.
f. Xylostei MV. 964.
f. Caprifolii MV. 965.

Leucoloma Fckl. (Discom.)
Hedwigii Fuck. MS. 166. *V.* Peziza leucol.
Chateri Sm. M. 69. *V.* Peziza Chateri.
humosa (Fr.) M. 432.) *V.* Peziza humosa.

Libertella Dmz. (Melanc.)
faginea Dmz. MV. 1394.

Linospora Fckl. (Pyren.)
Capreæ (DC.) Fuck. M. S. 101. M. 45.
Carpini Schröt M. 45. M. 332. FI. 219. MV. 911.
elata S. et S. M. 405. FI. 398.
faginea Sacc. M. 405.
Magnagutiana Sacc. M. 45. M. 332. M. 405. FI. 220. MV. 1352.

Lisea Sacc. (Pyren,)
nemorosa Sacc. M. 42. (Botryosph.) M. 300. M. 326. FI. 181.
Vitis (Niessl) Sacc. M. 300.
Buxi (Fckl.) Sacc. M. 300.

Lophidium Sacc. (Pyren.)
compressum (Pers.) Sacc. M. 340. 334. MS. 210. FI. 233.
curtum (Fr.) Sacc. M. 340. 333. FI. 229.
† diminuens (Pers.) Sacc. M. 340.
† fraudolentum (DR. et Mtg.) Sacc. M. 340.
† fenestrale (Cooke et Ell.) Sacc. M. 340.
gregarium (Fckl.) Sacc. FV. v. 177 M. 248. 333. 350. FI. 230.
graphidosporum (Anz.) Sacc. M. 349.
hygrophilum Sacc. M. 340-332-448. FI. 221.
nobile Sacc. M. 340-333. LI. 232.
pachysporum Sacc. M. 249-333-340. FI. 231. MV. 1157.
† psilogrammum(DR.et Mtgn.) Sacc. M. 340.
† ramorum (Fckl.) Sacc. M. 341.
thyridioides S et S. M. 412. FI. 357.

Lophiella Sacc. (Pyren.)
† cristata (Pers.) Sacc. M. 337.

Lophiostoma C. DNtrs. (Pyrenom.)
anaxæum Sacc. *V.* Lophiotrema.
angustilabrum Bk. et Br. MS. 110. M. 335. FI. 238. *V.* Lophiotrema.
auctum Sacc. MS. 110. M. 326-448. FI. 250. *V.* Lophiotrema.
alpigenum Fckl. MS. 111. M. 336. 448. Fl. 248.
† Arundinis (Fr.) Ces. et DNtrs. M. 339.
† absconditum Pass. M. 339.
Balsamianum DNtrs. MS. 110. M. 335-339. FI. 242. MV. 778.
f. Populi MV. 1156.
bicuspidatum Cooke M. 350-449.
caulium (Fr.) Ces. et DNtrs. MS. 210. M. 339.

compressum (Pers.) Ces. et DNtrs. MS. 210. M. 334. Fl. 233. *V.* Lophidium.
curtum (Fr.) DNtrs. M. 333. Fl. 229.
† Crista Galli DR. Mtgn. M. 339.
† cespitosum Fckl. M. 339.
collinum Speg. M. 467. Fl. 608.
dumeti Sacc. M. 332-339-448-467. Fl. 224.
duplex Karst. M. 336. Fl. 256. *V.* Lophiotrema.
dolabriforme DNtrs. M. 339.
† Desmazierii S. et S. M. 441. 513. Fl. 606.
excipuliforme (Fr.) Ces et DNtrs. M. 43. 335. 339. Fl. 241.
Fuckelii Sacc. M. 336. Fl. 254. MV. 1348. *V.* Lophiotrema.
† fibritectum Berk. M. 339.
gregarium Fckl. FV. v. 177. M. 248. 333. Fl. 230. *V.* Lophidium.
granulosum Crouan M. 339.
gramineum Sacc. MV. 1347. M. 543.
hygrophilum Sacc. M. 332. 448. Fl. 221. *V.* Lophidium.
insidiosum (Desm.) Ces. et DNtrs. M. 333. 340. 447. F. 226.
* *gramineum* Sacc. *V.* L. gramineum.
intermedium Sacc. M. 332. 340. Fl. 225.
† insculptum Rehm. M. 339.
Montellicum Sacc. M. 43. 99. Fl. 146. *V.* Schizostoma.
macrostomum (Tode) Ces. et DNtrs. MS. 210. M. 334. 339. Fl. 235.
f. Sambuci MV. 679.
macrostomoides DNtrs. M. 334. 339. Fl. 236.
† microstomum Cooke et Ellis. M. 339.
† mendax DNtrs. M. 339.
macrosporum Sp. M. 466. Fl. 607.
Nucula (Fr.) Fuckl. MS. 111. M. 336. Fl. 249. *V.* Lophiotrema
Niessleanum Sacc. M. 333. 340. 447. Fl. 223.
nobile Sacc. M. 333. Fl. 232. *V.* Lophidium.
orcophilum Sp. M. 467. Fl. 609.
præmorsum (Lasch.) Fuck. MS. 111. M. 336. Fl. 253. *V.* Lophiotrema.
pseudomacrostomum Sacc. M. 334. 339. Fl. 247.
pygmæum Sacc. M. 336. 447. Fl. 247. *V.* Lophiotrema.
perpusillum Sacc. M. 43. 336. Fl. 252. *V.* Lophiotrema.
pachysporum Sacc. M. 249. 333. Fl. 231. MV. 1157. *V.* Lophidium.
perversum DNtrs. M. 333. 339. Fl. 228.
pulveraceum Sacc. M. 336. Fl. 255. *V.* Lophiotrema.
† pileatum (Tode) Fuck. M. 339.
† Pinastri Niessl. M. 339.
quadrinucleatum Karst. M. 43. 332. 334. 339. Fl. 222.
rhopaloides Sacc. M. 334. 339. Fl. 237.
† Ruborum Crouan M. 339.
† rhizophilum (B. et C.) Sacc. M. 339.
Sambuci Sacc. MS. 104. (Sphæria).
semiliberum (Desm.) Ces. et DNtrs. 111. M. 335. Fl. 245. MV. 678. *V.* Lophiotrema.
simillimum Karst. M. 333. 340. 449. Fl. 227.
subcorticale Fckl. M. 335. Fl. 243. *V.* Lophiotrema
**viticola* Sacc. M. 335. Fl. 244. *V.* Lophiotrema.
vagabundum Sacc. M. 336. 447. Fl. 246. MV. 921. *V.* Lophiotrema
vicinum Sacc. M. 44. 335. Fl. 239. *V.* Schizostoma.
vicinellum Sacc. M. 335. Fl. 240. *V.* Schizostoma.
† viridarium Cooke. M. 339.

Lophiotrema Sacc. (Pyren.)
alpigenum (Fckl.) S. M. 338.
Anaxæum Sacc. M. 338. 336. 446. Fl. 251.
angustilabrum (B. et Br.) Sacc. M. 335. 338. MS. 110. Fl. 238.
affine Speg. (?) M. 465. Fl. 616.
auctum Sacc. M. 338. MS. 110. M. 336. 448. Fl. 250.
crenatum (Fr.) M. 338. 411. Fl. 359.
culmifragum Sp. M. 466. Fl. 611.
duplex (Karst.) S. M. 338. 336. Fl. 256.
Fuckelii Sacc. M. 338. 336. Fl. 254. MV. 1348.
Hederæ (Fckl.) M. 338.
littorale Sp. M. 466. Fl. 612.
† myriocarpum (Fckl.) S. M. 338.
massarioides Sacc. M. 412. Fl. 360.
Nucula (Fr.) M. 338. 336. MS. 111. Fl. 249.
† nuculinum Rhem. M. 338.
pygmæum Sacc. M. 338. 336. 447. Fl. 247.
pusillum (Fckl.) M. 338. 543.
perpusillum Sacc. M. 43. 336. 338. Fl. 252.

præmorsum (Lasch.) M. 338. 336. 513. FI. 253.
pulveraceum Sacc. M. 338. 336. FI. 255.
† sexnucleatum (Cook.) M. 338.
semiliberum (Dmz.) MS. 111. M. 335. 338. FI. 245. MV. 678.
subcorticale (Fckl.) M. 338. 335. FI. 243.
† Sedi (Fckl.) M. 338.
Thuemenianum (Speg.) M. 338. 410.
viticola Sacc. M. 338. 335. FI. 244.
vagabundum Sacc. M. 338. 336. 447. FI. 246. MV. 921.
Winteri Sacc. M. 358. FI. 360.

Lophium Fr. (Pyren.)
mytilinum (Pers.) Fr. FV.iv. 28.

Lophodermium Chev. (Pyren.)
arundinaceum (Schrad.) Chev. MS. 157. MV. 1173. M. 514.
caricinum (Dmz. et Rob.) Duby. M. 152. MV. 1280.
Epimedii (Ces.) Sacc. M. 56. M. 98. FI. 124. MV. 949.
juniperinum (Fr.) DNtrs. M. 56. MV. 950.
maculare DNtrs. M. 468.
petiolicola. Fuck. MS. 157. M. 56.
Pinastri (Schrad.) Chev. M. 415.
xylomoides Chev. MS. 157. MV. 468.

Lycogala Mich. (Myxom.)
Epidendrum MS. 170.
flavo-fusca Ehr. M. 433.

Lycoperdon Mich. (Lycoperd.)
atropurpureum Vitt. MS. 70.
Bovista L. Vitt. MS. 71.
cælatum Bull. MS. 71.
excipuliforme Scop. MS. 71. M. 548.
gemmatum Batsch. MS. 71.
β. papillatum (Schäff.) MS. 71.
γ echinatum (Pers.) MS. 71.
hiemale Bull. M. 240. MV. 1103.
plumbeum (Pers.) Vitt. MS. 70.
pyriforme Schäff. MS. 70. MV. 108.
perlatum Pers. MS. 70.
polymorphum Vitt. M. 240. MV. 1104.

Magnusia Sacc. (Pyren.)
nitida Sacc. M. 123.

Macropodia Fckl. (Discom.)
macropus (Pers.) Fuck. MS. 168.
† Rapulum (Bull.) M. 515.

Macrosporium Fr. (Hyph.)
commune Rabh. MS. 102. et 182. M. 536.
Sarcinula Berk. MS. 182.

Marasmius Fr. (Hymen.)
androsaceus (L.) Fr. MS. 44.
candidus (Bolt.) Fr. MS. 44.
cæpaceus Sacc. *V.* Agaricus (Collybia) confluens.
capillipes Sacc. FV.v. 162.
epiphyllus (Pers.) Fr. MS. 44.
fætidus (Sow.) MS. 43.
glabellus Peck. M. 239. MV. 1106.
oreades (Bolt.) Fr. MS. 43. MV. 101.
perforans (Hoffm.) Fr. MS. 44. MV. 103.
Rotula (Scop.) Fr. MS. 44. MV. 102.
var. microcephalus MS. 44.
ramealis (Bull.) Fr. MS. 44.

Mazzantia Mtgn. (Pyren.)
Napelli (Ces.) Sacc. FV.iv. 25. MV. 1370.
Galii (Guep.) Mtgn. FV.v. 182. M. 52.

Massaria DNtrs (Pyren.)
Æsculi Tul. M. 40. FI. 419.
alpina S. et S. M. 440. FI. 412.
bufonia (B. et Br.) Tul. M. 247. FI. 421.
Carpini Fckl. MS. 110. FI. 417.
callispora Sacc. M. FI. 414.
Curreyi Tul. FI. 420.
denigrans Sacc. *V.* M. epileuca.
epileuca (Berk. et Curt.) Winter. M. 446. FV.v. 210. MV. 83. FI. 410.
eburnoides Sacc. M. 41. 99. FI. 145.
fœdans Fr. M. 40. 354. *V.* M. loricata.
inquinans (Tode) DNtrs. MS. 109. MV. 82. M. 40. FI. 413.
Pseudoplatani MV. 1189.
loricata M. 354. FI. 411.
marginata Fck. M. 446.
f. Berber. vulg. FI. 409.
macrospora (Dmz.) Sacc. M. 247. 510. FI. 418.
Platani Ces. M. 46. 510.
penicillata Sacc. M. 404. FI. 408.
siparia (B. et Br.) Tul. M. 446. FI. 416.
Ulmi Fuck. MS. 110. MV. 84. FI. 415.
var. subsuperficialis MV. 85.

Melanconium Lk. (Melancon.)

bicolor Cda MS. 126. MV. 100.
betulinum Schm. Kze M.. 477.
conglomeratum Lk. MS. 180. (Stilbosp. microsp.)
juglandinum Kze MV. 169. 532.
microspermum Nees MS. 179.
sphærospermum Lk. MS. 107.
sphæroideum Lk. MV. 168.

Melanogaster Cda (Hypog.)
variegatus (Vitt.) Tul. M.IV. 437.

Melanomma Nke (Pyren.)
acutum Sacc. M. 402. FI. 341.
† Aspegrenii (Fr.) Fckl. M. 344.
alpinum Sp. M. 460. FI. 637.
† brachytele (B. et Br.) M. 345.
† buellioides (Rehm) M. 345.
Catillus MS. 114. M. 344. 451. FI. 466.
Campi Silii Sacc. M. 343. 449. FI. 296. *V.* Zignoella.
† conjugatum (DNtrs.) M. 344.
canescens Sp. M. 460. FI. 638.
† cinereum (Fckl.) M. 344.
circumclusum (DNtrs.) M. 344.
† callisporum (DNtrs.) M. 345.
ceratophorum S. et S. M. 403. FI. 339.
dubium Sacc. M. 343. 449. FI. 299. *V.* Zignoella.
† decipiens (DNtrs.) M. 345.
† disjectum (Karst,) M. 344.
dubiosum Sacc. M. 403. FI. 337.
† Epochnii (B. et Br.) M. 344.
fuscidulum Sacc. M. 343-344-450. FV.v. 211. FI. 294. MV. 159.
fallax Sacc. M. 41-343. FI. 298.
† fissum Fckl. M. 344.
† Heufleri (Awd.) M. 344.
† Holmskjoeldii (Karst.) M. 344.
hispidulum Sacc. M. 343-344-450. FI. 295.
† Jenysii (B. et Br.) M. 344.
† juniperinum (Karst.) M. 344.
longicolle Sacc. M. 343-344-449. FI. 293.
† loniocerinum (Karst.) M. 344.
† Lenarsii (West.) M. 345.
Lichenopsis (Mass.) Sacc. M. 331-345. FV.v. 178. FI. 203. MV. 684. (Caryospora).
macrosporum Sacc. M. 343-449. FI. 300.
† megalosporum (DNtrs.) M. 345.
† melinum (B. et Br.) M. 345.
medium S. et S. M. 402. FI. 338.
† obducens (DNtrs.) M. 344.
† Orni (DNtrs.) M. 344.
Olearum (Cast.) M. 331-345-457. FI. FI. 205. MV. 1271 (Caryospora).
Pulvis pyrius (Pers.) Fckl. MS. 113. M. 344-450. MV. 86.
Pulviscula (Curr.) Sacc. MS. 114. M. 343-450. FI. 297. MV. 87. *V.* Zignoella.
† pæcilostomum (B. et Br.) M. 344.
† pilosellum (Larst.) M. 344.
pertusum (Pers.) M. 345-451. (Trem.) MV. 691. f. Platani MV. 915.
pertusellum Sacc. M. 345-451. (Trem.)
† porphyrostomum (Kze.) M. 345.
† Rhododendri (Niessl.) Rehm. M. 345.
† Rhodomelan Fr. M. 345.
† subsparsum Fckl. M. 344.
† sparsum (Fckl.) M. 344.
† seminudum (Fckl.) M. 345.
† sanguinarium (Karst.) M. 344.
† solutum (Cke et Ellis.) M. 345.
sylvanum Sacc. et Speg. M. 403. FI. 340.
† Verrucaria (DNtrs.) M. 344.
† vile (Fr.) Fckl. M. 344.

Melampsora Cast. (Hvpod.)
Betulæ (Kl.) Desm. MS. 77. M. 454.
Carpini Fuck. MS. 77. MV. 45. M. 549.
Euphorbiæ (Pers.) Cast. MS. 78 (st. teleutosp.) MV. 1324. M. 503.
var. D. platyphyllæ MV. 115.
var. E. Cyparissiæ MV. 845.
guttata Schröt. FV.v. 168.
f. Galii Mollug. MV. 430.
Lini (DC.) Tul. MS. 76.
populina (Jacq.) Lév. MS. 77.
f. P. nigræ MV. 46. (st. tel. MV. 1143).
f. P. canescentis MV. 113.
f. P. moniliferæ MV. 844.
salicina Lév. MS. 77. M. 549.
a. Caprearum MS. 77. MV. 380.
b. Vitellinæ MS. 77. MV. 429.
c. mixta MS. 77. MV. 114.
d. Salicis purpureæ MV. 1323.
Tremulæ Tul. FV.v. 168. MV. 379. M. 503.

Melanconis Tul. (Pyren.)
Alni Tul. FV.IV. 20. MV. 168. FI. 451.
chrysostroma (Fr.) Tul. MS. 126. FV.IV. 20. FI. 453.
Carthusiana Tul. FV.IV. 20. MV. 169.

macrosperma Tul. MS. 211. MV. 99. *V.* Pseudovalsa macr.
spodiæa Tul. FV.iv. 20. MV. 100. FI. 452.
umbonata Tul. (?). MS. 126. *V.* Pseudovalsa.

Melanopsamma Niessl. (Pyren.)
† borealis (Karst.) M. 347.
† latericollis (Fr.) M. 347.
pomiformis (Pers.) M. 33-347.
† Pustula (Curr.) M. 347.
† Rhodomphalos (Bk.) M. 347.

Melanospora Cda (Pyren.)
† arachnophila Fckl. M. 283.
† arenaria Mtgn. M. 283.
† chionea (Fr.) Cda. M. 282.
† caprina (Fr.) Sacc. M. 283.
† Coemansii West. M. 283.
† Helvellæ (Cke) Sacc. M. 283.
† lagenaria (Pers.) Fckl. M. 282.
† leucotricha Cda. M. 283.
† parasitica Tul. M. 283.
vervecina (Dmz.) Fckl. M. 27-283.
† vitrea (Cda.) Sacc. M. 283.
† Zobelii (Cda.) Fuckl. M. 283.
† Zamiæ Cda M. 283.

Melasmia Lév. (Sphærops.)
acerina Lév. M. 203.

Melogramma Fr. (Pyren.)
ferrugineum (Pers.) Ces. et Ntrs. MS. 127. FI. 539. *V.* Sillia.
gastrinum Tul. MS. 142. *V.* Anthostoma.
spiniferum (Wallr.) DNtrs. MS. 147. MV. 237. FI. 541.
vagans DNtrs. MS. 147. MV. 236. FI. 540. M. 509.

Melomastia Nke (Pyren.)
Friesii Nke MS. 210. FI. 542. M. 510.

Menispora Pers. (Hyphom.)
cæsia Pc. FV.v. 192.
ciliata Cda. M. 265. MV. 1083.

Merulius Hall. (Hymen.)
Corium Fr. MS. 56. M. 502.
lacrymans (Wulf.) Schum. MS. 56.
pulverulentus (Sow.) Fr. MS. 56.
rufus Pers. MS. 56.
tremellosus Schrad. MS. 56. MV. 401.

Metanectria Sacc. (Pyren.)
† Citrum (Wallr.) Sacc. M. 300.

Microcera Dmz. (Hyphom.)
Massariæ Sacc. M. 263. MV. 1059. MS. 188. (Fusar. ciliat.)

Micropera Lév. (Hyphom.)
Cerasi Sacc. MS. 160.
f. minor MV. 1036.
f. major MV. 1037.
Drupacearum Lev. p. p. MS. 160. *V.* M. Cerasi.
minutula Sacc. FV.v. 198. MV. 567.

Micropeziza Fckl. (Discom.)
(Pyrenopeziza) rufula Sacc. M. 64.

Microsphæra Lév. (Pyren.)
Astragali (DC.) Trev. MV. 148. MV. 208 (Calocl. holoser.)
Berberidis Lév. M. 439.
comata (Lk.) Lev. M. 14. MV. 892.
Dubyi Lev. M. 14. MV. 896.
Hedwigii Lev. FV.v. 173.
f. Viburni Lantanæ MV. 619.
penicillata (Lk.) Lev. MS. 91.
f. Alni glutinosæ MV. 147.
f. Alni incanæ MV. 893.
f. Viburni opuli MV. 618.

Microstroma Niessl. (Hyphom.)
album (Dmz.) Sacc. M. 273-536.
f. Quercus pubescentis MV. 1032.
f. Quercus sessilifloræ MV. 1033.
quercinum (Op.) Niessl. *V.* M. album.

Microthyrium Dmz. (Pyren.)
Juniperi (Dmz.) Sacc. M. 351. MV. 1269. FI. 563.
litigiosum Sacc. M. 396. FI. 564.
microscopicum Desm. FV.v. 174. M. 381-507. MV. 157. FI. 562.
Smilacis DNtrs M. 245.

Monilia Pers. (Hyphom.)
aurea Gmel. S. Nat. (Oidium aureum Link.) M. 86. FI. 58. MV. 1091 (M. hesperidica).
candida Bon. FV.v. 194. MV. 580.
cinerea Bon. FV.v. 195.
candicans Sacc. FV.v. 195. M. 86. FI. 57. MV. 364.
digitata Pers. MS. 183.
fructigena P. MV. 273.
hesperidica Sacc. *V.* M. aurea.

Monographos Fckl. (Pyren.)
† Aspidiorum (Lib.) Fuckl. M. 281.

Monosporium Bon. (Hyphom.)
acuminatum Bon. FV.v. 195.
f. terrestre MV. 579.
spinosum Bon. FV.v. 195.

Morchella Dill. (Discom.)
conica Pers. MS. 170.
esculenta (Bolt.) Pers. MS. 170.
a. rotunda Pers. MS. 170.
b. vulgaris Pers. MS. 170.
hybrida (Sow.) Pers. MS. 170.

Morthiera Fckl. (Sphærops.)
Mespili (DC.) Fuck. MS. 198. MV. 525.

Mucor Mich. (Phycom.)
caninus Pers. MS. 89.
chrysospermus Bull. MS. 124. *V.* Sepedonium.
helicostylus Sacc. M. 13.
Mucedo L. MS. 89.
ramosus Bull. MS. 90. *V.* Sporodinia grandis.
racemosus Fr. M. 438.
stololonifer Ehrbg. MS. 90. (Ascophora Mucedo).
f. Hibisci syriaci MV. 494.
f. Lagenariæ MV. 1123.
f. Cucurbitæ MV. 370.

Muricularia Sacc. (Sphærops.)
curotioides Sacc. M. 95. FI. 94.

Mutinus Fr. (Phall.)
caninus (Huds.) Str. MS. 70.

Mycogone Lk. (Hyphom.)
cervina Ditm. MS. 124. *V.* Sepedonium.
rosea Link. MS. 124. *V.* Sepedonium.

Mycoderma Pers. (Hyphom. Sacchar.)
Aceti Auct. MV. 176. *V.* Sacchar. Mycoderma et var.
Cerevisiæ Dmz. MS. 176. *V.* Saccharom. Mycod. f. Cerevisiæ.
Glutinis farinæ Dmz. MV. 176. *V.* Saccharom.
Vini Vall. MV. 176. *V.* Saccharomyces Mycoderma.

Myriococcum Fr. (Pyren.)
præcox Fr. M. 367.

Myrothecium Tode (Hyphom.)
inundatum Tode M. 478.
Verrucaria (A.S.) Fr. MS. 186.

Mytilidion Duby. (Pyren.)
aggregatum (Fr.) Duby. M. 415.
decipiens (Karst.) Sacc. M. 55. M. N. 415.
*conorum M. 415.
tortile (Schwz.) Sacc. FV.iv. 27. MV. 1174.

Myxosporium Lk. (Melanc.)
aberrans Sacc. M. 128.
croceum (Pers.) Link. M. 434. MS. 150 (Næmasp.)
colliculosum Bk. *V.* Æcidiolum.
f. Aroniæ MV. 399.
f. Ariæ MV. 398.
f. Aucupariæ MV. 400.
incarnatum (Pers.) Link. M. 434. MV. 1395.
paradoxum DNtrs. MS. 161. *V.* Gloeosporium.
Tussilaginis Sacc. MV. 993. *V.* Æcidiolum.

N

Næmaspora W. (Melanc.)
crocea (Pers.) Moug. et Nestl. MS. 150. *V.* Myxosp. croceum.

Næmatelia Fr. (Hymen.)
encephala (W.) Fr. FV.v. 166.

Nævia Fr. (Discom.)
Lauri Cald. MS. 211. *V.* Stegia.
lætissima (Ces.) Fckl. M. 421.

Nectria Fr. (Pyren.)
† australis Mtgn. M. 288.
† Aquifolii (Fr.) Berk. M. 290-513.
† applanata Fckl. M. 291.
† Albertini B. et Br. M. 293.
† armeniaca Tul. M. 296.
† aurantiicola B. et Br. M. 296.
† auricoma (Wallr.) Mtgn. M. 297.
† aglæothele B. et C. 293.
† Aurantium (Wallr.) M. 297.
abscondita Sacc. MS. 123. M. 296.
† bactridioides B. et Br. M. 294.
† bicolor B. et Br. M. 295.
† Bogosarum Pass. M. 296.
† bryophila (Rob. et Desm.) Sacc. M. 296.
cinnabarina (Tode) Fr. MS. 122. M. 289-513. MV. 86.

f. Aceris camp. MV. 926.
f. Juglandis regiæ MV. 767.
*Tiliæ Karst. M. 289.
coccinea (Pers.) Fr. MS. 123. M. 291-513. MV. 97.
charticola Fckl. M. 289-464.
† chlorella (Fr.) Tul. M. 289.
Cucurbitula Fckl. M. 290-409.
† cosmariospora Ces. et DNtrs. M. 290.
† Coryli Fckl. M. 291.
† citrina Fr. M. 291.
† crustulina B. et Rav. M. 297.
† chrysites (Wallr.) Rabh. M. 295.
Desmazierii DNtrs. FV.iv. 23. M. 289. MV. 166.
† discophora Mtgn. M. 288.
ditissima Tul. M. 291-410.
† Daldiniana DNtrs. M. 292.
*granulosa Cr. M. 292.
† dealbata B. et Br. M. 296.
† diploa B. et C. M. 294.
*diminuta B. et C. M. 294.
† dispersa Cook. M. 295.
† decolorans Fr. M. 297.
episphæria (Tode) Fr. MS. 123. M. 291.
† erythrinella (Nyl.) Tul. M. 289.
† Eugeniæ Curr. M. 289.
† Fuckelii Sacc. M. 289.
† fimicola Fckl. M. 290.
† foliicola B. et C. M. 292.
† fuliginosa B. et Br. M. 293.
† flavo-lanata B. et Br. M. 294.
† graminicola B. et Br. M. 293.
† gyrosa B. et Br. M. 294.
† Heraclei Crouan. M. 292.
† hæmatococca B. et Br. M. 293.
hirtella Sacc. et Speg. MV. 1373. M. 543.
† indigens (Arnold) Rehm. M. 294.
inaurata B. et Br. M. 296.
† lichenicola (Ces.) Sacc. M. 289.
† lecanodes Ces. M. 290.
† læticolor B. et C. M. 292.
† lageniformis B. et C. M. 297.
Mantuana Sacc. M. 22-100-294. FI. 156.
† mammoidea Plow. M. 291.
† macrostoma B. et C. M. 292.
† Magnusiana Rm. M. 294.
† mobilis (Tod.) Fr. M. 297.
† Oropensis Ces. M. 291.
† ossicola Cr. M. 292.
† ochroleuca Schw. M. 297.
† ochracea (Grev.) Fr. M. 297.
Peziza (Tode) Fr. MS. 123. M. 290. MV. 925.
*minor Dmz. M. 290.
Pezicula Speg. M. 232-294.
† pithyrodes Mtgn. M. 288.
*saccharina B. et Br. M. 288.
† punicea (Kze et Schm.) Fr. M. 288.
† paludosa Fckl. M. 289.
† Purtoni (Grev.) Curr. M. 293.
† Peponum B. et C. M. 294.
† Pandani Tul. M. 295.
† Ralfsii B. et Br. M. 293.
† Ribis (Tode) Rabh. M. 293.
† Russelii B. et C. M. 293.
† Resinæ Fr. M. 297.
squamuligera Sacc. FV.iv. 22. M. 100-293-513. FI. 155. MV. 685.
sinopica Fr. FV.iv. 23. M. 289. MV. 167.
sanguinea (Sibth.) Fr. M. 51-291. MV. 1372.
*laurina Sacc. M. 51-291.
† saccharina B. et C. M. 292.
† suffulta B. et C. M. 292.
† stenospora B. et Br. M. 294.
† subquaternata B. et Br. M. 295.
† Stilbospora Tul. M. 295.
† turbinata Fckl. M. 291.
† terrestris Cr. M. 292.
† thujana Rm. M. 294.
Urceolus Speg. M. 463.
† villigera B. et Br. M. 297.
† viticola B. et C. M. 293.
† variicolor Fckl. M 292.

Nectriella Sacc. (Pyren.)
aurea S. et S. M. 409.
† Bambusæ (B. et Br.) Sacc. M. 279.
† chlorina (Cr.) Sacc. M. 278.
† chrysites (West.) Sacc. M. 278.
† carnea (Dmz.) Sacc. M. 278.
† citrina (Cr.) Sacc. M. 278.
† digitalicola (Cr.) Sacc. M. 278.
† furfurella (B. et Br.) Sacc. M. 279.
† Keithii (B. et Br.) Sacc. M. 279.
† jucunda (Mtgn.) Sacc. M. 278.
jucundula S. et S. M. 409.
† miltina (Mtgn.) Sacc. M. 278.
† monilifera (B. et Br.) Sacc. 279.
† microspora (Cook. et Ell.) Sacc. M. 279.
† nigro-viridis (Cr.) Sacc. M. 278.
† offuscata B. et C. M. 279.
† perpusilla (Mtgn.) Sacc. M. 278.
Rousseliana (Mtgn.) Sacc. M. 51-227. 330.
† thelopsioides (Cr.) Sacc. M. 279.
† Umbelliferarum (Cr.) Sacc. M. 578.

villosula Speg. M. 463.

Nesolechia Mass. (Discom. v. Lichen.)
thallicola Mass. MS 156.

Nematogonium Dmz. (Hyphom).
aurantiacum Desm. MS. 185 MV. 1286.

Neottiospora Dmz. (Sphærops.)
coprophila Speg. M. 481.
Caricum Dmz. M. 521.

Niptera Fr. p. p. Fckl. (Discom.)
brachyspora Sacc. FV.iv. 32. M. 97. FI. 111.
cinerea (Batsch.) Fck. MS. 162. M. 424. 472. MV. 731.
*luteola M. 424.
*grisella M. 425.
*culmina M. 425.
*donacina M. 425.
*caricina M. 425.
*olivascens M. 425.
*macrosperma M. 425.
Dehnii (Rabh.) Sacc.
*fuscidula Sacc. FV.iv. 32.
exsiliens Speg. M. 472.
Grappensis Sacc. M. 442.
lilacina (Wulf.) Sacc. FV.iv. 31.
melaleuca (Fr). Fckl. FV.iv. 31. M. 425. (515).
echinicola M. 424.
nemophila Sacc. FV.iv. 32.
Riccia Sacc. MS. 162. FV.iv. 33.
sarmentorum Sacc. FV.iv. 31.
stictella S. et S. M. 425.
uda (Pers.) Fckl. MS. 162.

Nummularia Tul. (Pyren.)
repandoides Fuck. MS. 153. FI. 583.

Nyctalis Fr. (Hymen.)
Asterophora Fr. MS. 43. MV. 814.

O

Octospora Hedw. (Discom.)
leucoloma Hedw. MS. 166. *V.* Peziza leucoloma.

Odontia Fr. (Hymen.)
fimbriata (Pers.) Fr. FV.v. 164.
Pruni Fr. M. 540.

Oedocephalum Pr. (Hyphom.)
elegans Preuss. MS. 188. *V.* Haplotrichum glomerulosum

Ohleria Fckl. (Pyren.)
rugulosa Fckl. FV.v. 177. M. 348. FI. 307.

Oidium Lk. (Hyphom.)
Lactis Fres. M. 265. MV. 1243.
erysiphoides Fr. Stat. conid. Erysiphearum plur.
leucoconium Dmz. Stat. conid. Sphærothecæ pannosæ.
monilioides Lk. Stat. conid. Erysiphes graminis.
Tuckeri Berk. Stat. conid. Erysiphes Tuckeri.

Oomyces Bk. et Br. (Pyren.)
† carneo-albus (Lib.) B. et Br. M. 324.

Ophionectria Sacc. (Pyren.)
† mellina (Mtgn.) Sacc. M. 323.
† paludosa (Cr.) Sacc. M. 323.
† trichospora (B. et Br.) Sacc. M. 323.

Otidea Fckl. (Discom.)
Auricula (Schäff.) M. 431. *V.* Peziza.
cochleata (Huds.) Fuck. MS. 167. *V.* Peziza.
onotica (Pers.) M. 431. *V.* Peziza.
tincturella Cke S. M. 71. *V.* Peziza.

Otthia Fckl. (Pyren.)
Cratægi Fuckl. M. 248. FI. 537.
Coryli Fckl. MS. 118. (Cucurbitaria).
Quercus Fckl. FI. 538. MS. 118.

Ozonium Lk. (Hyphom. v. Mycel.)
auricomum Lk. MS. 204. M. 552.
croceum Pers. (?) M. 275. MV. 1257.
parietinum Lk. MV. cent. XV.

P

Papularia Fr. (Hyphom.)
arundinacea Fr. MS. 107. *V.* P. Arundinis.
Arundinis (Corda) Fr. MS. 179.
f. microspora MV. 1073.
f. platyspora MV. 1072.

Paranectria Sacc. (Pyren.)
† affinis (Grev.) Sacc. M. 317.

Passalora Fr. (Hyphom.)
Brunaudii Sacc. M. 537.
bacilligera (Mtgn.) Fr. FV.v. 187

depressa (B. et Br.) Sacc. FV.v. 187. MV. 579 (P. polythr.)
dendritica (Wallr.) Sacc. MV. 585-1067-1246. MS. 182. M. 265-536.
polythrincioides Fckl. MV. 589. *V.* P. depressa.
pyrina (Lib.) Sacc. M. 537.

Passerinula Sacc. (Pyren.)
candida Sacc. FV.iv. 22. M. 73. M. 284. FI. 4.

Patellaria Hedw. Fr. (Discom.)
nigerrima Sacc. FV.iv. 29. M. 97. FI. 108.
Strickeri (Körb.) Sacc. M. 57. MV. 1201.

Patinella Sacc. (Discom.)
hyalophæa Sacc. FV.iv. 29. FI. 3.

Penicillium Lk. (Hyphom.)
crustaceum Fr. MS. 183. *V.* P. glaucum.
candidum Lk. FV.v. 194. M. 535.
glaucum Link. MS. 183. M. 535.
f. epimyces MV. 1060.

Perichæna Fr. (Myxom.)
corticalis (Batsch.) Rost. M. 516.
depressa (Lib.) Rost. FV.iv. 40. MV. 500.

Periconia Pers. (Hyphom.)
chlorocephala Fres. FV.v. 192. MV. 301.
pycnospora Frev. FV.v. 192. MV. 302. M. 538.
f. Cocculi laurifoliæ MV. 1092.
papyrogena Sacc. M. 273.

Peridermium Lk. (Hypod.)
Pini (Willd.) Wallr. FV.v. 168.
var. acicola Wallr. FV.v. 168.

Perisporium Fr. (Pyren.)
Typharum Sacc. MS. 92. FI. 597.
*lignicola FI. 598.
vulgare Cda FV.v. 174. M. 401. FI. 599.

Peronospora Cda. (Phycomyc.)
arborescens (Berk.) de Bary. MS. 88. MV. 1338.
affinis Rossm. FV.v. 171. MV. 65.
alta Fckl. M. 12. MV. 1339.
Alsinearum Caspar. M. 12.
f. Cerastii MV. 793.
f. Stellariæ mediæ MV. 1334
calotheca de By. FV.v. 172.
f. Aparines de By. MV. 1119.
Chloræ de By. M. 12.
Cyparissiæ de By. M. 454.
Dianthi de By. MS. 88.
densa Rabh. M. 12-365.
Dipsaci Tul. M. 243. MV. 1122.
Erythrææ Kühn. M. 365.
effusa (Grev.) de Bary. MS. 88.
f. Chenop. mural. MV. 490.
f. Chenop. albi MV. 489.
f. Chenop. polysperm MV. 140.
Ficariæ Tul. FV.v. 171. MV. 1118.
grisea Ung. FV.v. 172. MV. 1121.
gangliformis Berk. FV.v. 171.
f. Centaureæ nigrescentis MV. 1336.
f. Lactucæ sativæ MV. 371.
f. Senecionis vulgaris MV. 488.
f. Cirsii arvensis MV. 1335.
infestans (Mtgn.) de By. FV.v. 171. MV. 141.
Lamii A. Br. FV.v. 172. MV. 487.
Myosotidis de By. FV.v. 171.
var. Symphyti tuberosi FV.v. 171.
nivea (Ung.) de By. MS. 88.
f. Angelicæ MV. 886.
f. Ægopodii MV. 64.
f. Pimpinellæ MV. 491.
parasitica (Pers.) de By. MS. 88. M. 504.
pygmæa (Ung.) de By. M. 365.
stat. oogonioph. MV. 1340.
Rumicis Cda. FV.v. 172. MV. 372.
sordida Bk. M. 365.
Stachydis Thüm. M. 542.
f. Stachydis palustris MV. 1337.
Trifoliorum de By. FV. 172.
v. Medicaginis lupulinæ FV.v. 172.
Viciæ (Bk.) de By. M. 242. MV. 1120.

Pestalozzia DNtrs. (Sphærops.)
breviseta Sacc. M. 92. FI. 84. Sp. Amp. 19.
funerea Desmz. MS. 198. M. 478. M. 533.
Guepini Dmz. FV.v. 198. MV. 974.
herbicola Sacc. MS. 199.
ilicina Sacc. FV.v. 198. MV. 327.
lignicola Cke M. 480.
longiseta Speg. M. 478.
macrospora Ces. FV.v. 198. MV. 326. M. 480.
monochæta Desm. MS. 198. M. 480.
f. Castaneæ MV. 325.
f. Quercus MV. 324.

macropoda Speg. M. 480.
pezizoides DNtrs. MS. 199. MV. 328.
Pteridis Sacc. MV. 326.
plagiochæta Sacc. M. 533.
sessilis Sacc. M. 261. MV. 975.
strobilicola Speg. M. 479.
Saccardoi Speg. M. 480.
Thümenii Speg. Amp. 7.
truncatula (Cda) Fckl. FV.v. 198. M. 533.
uvicola Speg. Amp. 5.
Veneta Sacc. M. 92. FI. 83.

Peziza L. (Discom.) *)
(Acetabula) Acetabulum L. MS. 160. (Acetabula).
(Phæopezia **) apiculata Cke M. 71.
(Sepultaria) affinis Sacc. FV.iv. 38. (Humaria aff.)
(Pyronemella ***) arachnoidea Sp. M. 237. (Pyr. araneosum).
(Humaria) araneosa Bull. M. 551.
(Cochlearia) aurantia Oed. MS. 167.
(Otidea) Auricula Schäff. p. p. Cke. M. 71.
(Pyronema) aurantio-rubra (Fckl.) *pallens M. 69. (Pyr.)
(Sepultaria) brunnea A. S. FV.iv. 38. (Humaria).
(Cochlearia) badia Pers. MS. 167. (Plicaria).
(Acetabula) Calyx Sacc. MS. 168. (Acet.).
(Cochlearia) cochleata Huds. MS. 167. (Otidea).
cyathoidea Bull. *V.* Cyathicula.
(Tazzetta ****) cupularis L. MS. 167. (Pustul. cupularis.)
(Humaria) carnea (Pers.) Karst. M. 70.
(Humaria) Chateri Sm. M. 69.
caulicola Fr. FV.iv. 34. *V.* Helotium.
caracella Fr. FV.iv. 34. *V.* Helotium.
(Sarcoscypha) coccinea Jacq. MS. 166. (Plect.)
(Crouania *****) Crouanii Cke M. 430.
(Crouania) Constellatio B. et Br. M. 71.
(Tazzetta) carbonaria A. et S. M. 431.
(Scutellinia) diversispora Speg. M. 236. (Humaria).
(Pyronema) Franzoniana DNtrs. FV.iv. 38.
* P. rhopalasca M. 432.
Galbula v. *sulphurea* *V.* Helotium.
Humuli *V.* Helotium.
(*Humaria*) *humosa* Fr. MS. 166. (Crouania hum. p. p.) M. 432.
(Sepultaria) hemisphærica Wigg. MS. 166. (Humaria) M. 552.
(Scutellinia) hirta Schum. M. 70.
inquinans Pers. *V.* Bulgaria.
(Sepultaria) lanuginosa Bull. M. 552.
(Humaria) leucoloma Hedw. MS. 166. (Leucol. Hedwigii).
(Scutellinia) lentiformis Pers. M. 545.
(Macropodia) macropus Pers. MS. 168. (Macropodia).
(Rhizopodella) melastoma Sow. M. 69 (Plectania).
(Otidea) onotica Pers. M. 431.
(Pyronema) omphalodes Bull. FV.iv. 38. MV. 268 (Pyr.)
(Neottiella) patavina C. et S. M. 70.
Pteridis A.S. *V.* Trichopeziza pulveracea.
pertenuis Sacc. *V.* Helotium.
(Scutellinia) pulcherrima (Cr.) Cke. M. 237 (Hum.)
(Acetabula) Rehmiana Sacc. M. 544. MV. Cent. XV.
(Discina) repanda Wahlb. MS. 167 (Plicaria).
(Macropodia) Rapulum. Bull. M. 515.
(Scutellinia) rubra Cke. M. 545.
sarcoides Fr. *V.* Coryne.
(Geoscypha) Saccardiana Cke. M. 70.
(Scutellinia) scutellata L. MS. 166. M. 70-551. MV. 955 (Humaria).
(Scutellinia) setosa Nees. FV.iv. 38. M. 70 (Humaria).
(Scutellinia) sublivida S. et S. M. 443.
(Scutellinia) stercorea Pers. MS. 166. M. 237.
(Pyronema) subhirsuta Schum. FV.v. 184. M. 237. MV. 732.
(Geoscypha) sepiatrella Sacc. M. 544.
(Geoscypha) tincturella C. et S. M. 71.
(Sphærospora ******) trechispora Curr. M. 70. MV. 955 (Humaria).

*) Colliguntur sub hoc genere species majores sporidiis continuis ovoideis, suboblongis v. sphæricis donatæ. Plerumque recepta sunt subgenera quæ a cl. Cookeo adhibentur in suo Indice system. Discom. (Mycogr. I. p. 247).
**) Est *Geoscypha* sporidiis apiculatis fuscisque instructa.
***) Est *Pyronema* sporidiis sphæricis ornatum.
****) Nec *Tarzetta* ut habent auctores.
*****) Est *Humaria* sporidiis globosis donata.
******) Est *Scutellinia* sporidiis globosis ornata

(Scutellinia) thelebolοides A. et S. M. 430.
(Scutellinia) umbrarum (Fckl.) Cke. M. 431.
(Crouania) violascens Cke. M. 444.
(Pustularia) vesiculosa Bull. MS. 167. (Pust.)

Pezicula Tul. (Discom.)
rhabarbarina (Berk.) Tul. M. 419.
Resinæ Fuck. M. 470.

Pezizula Karst. (Discom.)
crustacea (Fckl.) Karst. *V.* Ryparobius.
Pelletieri (Cr.) Speg. *V.* Ryparobius.

Phacidium Fr. (Discom.)
Ph. coronatum (Schm.) Fr. MS. 159. *V.* Coccomyces coronatus.
Ph. congener Ces. M. 515.
dentatum Kze. et Schm. MS. 159. MV. 262. *V.* Coccomyces dentatus.
minutissimum Awd. MS. 159. (Coccomyces?)
Medicaginis Lib. FV. IV. 29. MV. 722. M. 551. MV. 145. (ex err. sub Phyllach.)
radians Rab. et Dmz. M. 60.
*sibiricum M. 60. MV. 1198.
Trifolii (Bernh.) Boud. M. 60. MV. 721.

Phæopezia Sacc. (Discom.)
apiculata (Cke.) M. 71.

Phæosperma Nke (Pyren.)
gastrinum Nhe. MS. 143. *V.* Anthostoma gastr.

Phallus L. (Phalloid.)
impudicus L. MS. 69. MV. 837.

Phlebia Fr. (Hymen.)
radiata Fr. FV. v. 164.

Phoma Fr. (Sphærops.)
Aucubæ West. FV. v. 201.
Asparagi Sacc. M. 257. MV. 932.
aculeorum Sacc. M. 358-525.
Anaxæa Sp. M. 482.
ambigua Nke. M. 520.
Asphodeli Sacc. M. 521.
Amorphæ Sacc. M. 523.
Berkeleyi Sacc. FV. v. 200.
Berberidis Sacc. M. 259.
bacillaris Sacc. M. 526.
baccæ Catt. Speg. Ampel. 9.
Citri Sacc. FV. v. 200.
cinerascens Sacc. FV. v. 201. M. 521.
cassubica Sacc. M. 125.
Coronillæ (Dmz.) West. M. 258. MV. 1210.
cryptica Nke. M. 521.
cytisporoides Sacc. M. 522.
Cacti Bk. M. 524.
cylindrospora (Dmz.) Sacc. M. 527.
diplodiella Speg. Amp. 4.
demissa Sacc. FV. v. 201.
denigrata Desm. FV. v. 202.
difformis Sacc. M. 125.
Diospyri Sacc. M. 258. MV. 1209.
diplodioides Sacc. M. 522.
decorticans DNtrs. M. 524.
discosioides Sacc. M. 526.
Elæagni Sacc. M. 54. MV. 1297.
enteroleuca Sacc. M. 358-523.
endogena Speg. M. 482.
endoleuca Sacc. M. 523.
*ligustrina Sacc. M. 523.
eupyrena Sacc. M. 526.
fraxinea Sacc. M. 526.
Granati Sacc. FV. v. 200. MV. 514.
graminella Sacc. M. 127.
herbarum West. MS. 102. M. 523.
Hederæ Desm. MS. 140.
Hippoglossi (Mtgn.) Sacc. M. 527. MV. 1000 (Sphærops.)
intermedia Sacc. FV. v. 201.
incrustans Nke. M. 521.
Indigoferæ Sacc. M. 523.
Japonica Sacc. FV. v. 201. M. 521.
juglandina Fckl. M. 521.
Ilicis Dmz. M. 525. FV. v. 202.
f. Evonymi MV. 554.
Leguminum West. MS. 191. M. 525.
labens Sacc. M. 125.
Lebiseyi Sacc. M. 257. MV. 774.
leucostigma (Lev.) Sacc. M. 259-525. MV. 1298. MS. 140-203.
Lagerstrœmiæ Speg. M. 482.
leptidea Sacc. M. 522.
lirelliformis Sacc. M. 522.
Laurocerasi Dmz. M. 524.
Lingam Dmz. M. 525.
Letendrei Sacc. M. 526.
longissima (Pers.) West. MS. 203. (Sphæropsis.)
melæna (Fr.) DR. et M. MS. 203. (Sphæropsis.)
Malvacearum West. M. 258. MV. 1208.
montana Speg. M. 482.
mendax Sacc. M. 521.

moricola Sacc. M. 525.
multipunctata Sacc. MV. cent. XX.
nebulosa (Fr.) Mtgn. M. 258. MV. 1207.
*Althææ M. 525.
Nerii Speg. M. 482.
oncostoma Thm. M. 259.
Œnotheræ Sacc. M. 524.
œnotherella Sacc. M. 524.
penicillata Fckl. MS. 191.
Pulvis pyrius Sacc. M. 450. FV.v. 200.
perexigua Sacc. FV.v. 201.
pinea Sacc. M. 126.
pithya Sacc. M. 126.
Potonieana Sacc. M. 126-276.
pterophila (Nke.) Fckl. M. 258. MV. 1031.
protracta Sacc. M. 259. MV. 1211.
Pulviscula Sacc. M. 258-523. MV. 1299.
populea Sacc. M. 358-225.
pungens Nke M. 520.
petiolina Sacc. M. 523.
Persicæ Sacc. M. 526.
rudis Sacc. M. 257-521. MV. 933.
resecans Sacc. M. 257. MV. 934.
Rosmarini Speg. M. 481.
Robergeana (Dmz.) Sacc. M. 520.
Rubiæ Sacc. M. 526.
strobiligena Desm. MS. 161.
Samararum Desm. MS. 191. M. 525.
subordinata Desm. FV.v. 200.
stictica B. et Br. FV. v. 200. MV. 308.
sepositа Sacc. FV.v. 201. M. 520.
Sophoræ Sacc. FV.v. 202.
salsa Sacc. M. 126.
Spartii Sacc. M. 359-521.
superflua Sacc. M. 522.
subvelata Sacc. M. 524.
Solieri (Mtgn.) Sacc. M. 525.
Tecomæ Sacc. FV.v. 201.
tinea Sacc. M. 521,
Visci Sacc. M. 125.
Volkameriæ Speg. M. 481.
Vincæ (Fr.) Sacc. MS. 193 (Depazea Vincæ).
vulgaris Sacc. M. 524.
vicina Dmz. M. 525.
Weigeliæ Speg. M. 481.
xanthina Sacc. M. 359-526.

Phomatospora Sacc. (Pyren.)
Berkeleyi Sacc. FV.u. 306. M. 497. FI. 605. M. 506.
macropoda Sacc. FI. 604.
† ovalis (Pass.) Sacc. FV.u. 306.

Phragmidium Lk. (Hypoderm.)
apiculatum Wallr. MS. 207. MV. 117. M. 550.
bulbosum Schlechtd.. MS. 79.
f. Rubi Chamæmori MV. 444.
f. Rubi fruticosi MV. 847.
fusiforme Schröt. M. 438.
gracile Grev. MS. 78. MV. 116.
mucronatum B. *Sanguisorbæ*. *V.* Ph. Poterii.
microsorum Sacc. M. 10-97. FI. 105. MV. 848.
obtusum Kze. et Schm. MS. 78. MV. 445. M. 500.
f. Potentillæ vernæ MV. 1320.
f. Potentillæ auræ MV. 1321.
f. Potentillæ albæ MV. 1322.
Poterii Fckl. MS. 78.
Rosarum Rbh. MS. 79. M. 550.
f. Rosæ centif. MV. 792.
f. Rosæ arvensis (uredosp.) MV. 1126.
f. Rosæ arvensis (teleut.) MV. 47.
f. Rosæ rubiginosæ MV. 443.
Tormentillæ Fckl. MS. 207. MV. 69 (Uredosp.) MV. 846 (Teleut.)

Phyllachora Nke. (Pyren.)
Angelicæ (Fr.) Fckl. FV.v. 181. MV. 232. M. 511.
Ægopodii (Pers.) Fckl. MS. 145.
Bromi Fckl. M. 511.
Cynodontis (Sacc.)Niessl. M.252. MV. 203.
fallax Sacc. FV.v. 181. MV. 640.
Graminis (Pers.) Fckl. MS. 144. M. 511.
f. *Cynodontis* MV. 230. *V.* Ph. Cynodontis.
f. Agropyri MV. 639.
Heraclei (Fr.) Fckl. FV.v. 181. MV. 643.
Junci (Fr.) FcFl. FV. 946.
Medicaginis Sacc.MS.145. *V.* Phacid.
Setariæ Sacc. FV.v. 182. MV. 641.
sylvatica S. et S. M. 410. FI. 404.
Trifolii (Pers.) Fckl. MS. 145 MV. 644.
Ulmi (Sow.) Fckl. MS. 144. MV. 231. M. 551. 642. (cum Trichoth.)

Phyllactinia Lév. (Pyren.)
guttata Lév. MS. 90.
f. Alni glutinosæ MV. 620.
f. Berberidis vulg. MV. 895.

f. Corni maris MV. 625.
f. Carpini Betuli MV. 67.
f. Coryli Avellanæ MV. 623.
f. Cratægi Oxyac. MV. 621.
f. Fagi sylvat. MV. 894.
f. Fraxini Orni Mtgn. 624.
f. Fraxini simplicifoliæ MV. 1377.
f. Paliuri aculeati MV. 622.

Phyllosticta Pers., Sacc. (Sphærops.)
Aceris Sacc. FV.v. 203. MV. 353. M. 147.
æsculina Sacc. M. 134.
Alcides Sacc. M. 135.
Asclepiadearum West. M. 140.
althæina Sacc. M. 143.
Ailanthi Sacc. M. 148.
Ajugæ S. et S. M. 150.
Aucubæ S. et S. M. 153.
aquatica Sp. M. 483.
anceps Sacc. M. 532.
Arunci Sacc. FV.II 300. v. 203. M.143.
aucubicola Sacc. MV. cent. XV.
Berberidis Rabh. M. 133.
buxina Sacc. M. 137.
Bignoniæ West. M. 137.
betulina Sacc. M. 154.
Cytisi Desm. MS. 195. M. 146.
concentrica Sacc. FV.v. 203. M. 136. MV. 352.
Caprifolii (Opiz.) Sacc. M. 137.
cytisella Sacc. M. 137.
Coryli Sacc. M. 138.
Calycanthi Sacc. M. 139.
Capparidis Sacc. M. 139.
Calystegiæ Sacc. M. 141.
cruenta (Fr.) Kx. M. 142.
Cirsii Dmz. M. 143.
Cucurbitacearum Sacc. M. 145.
Cathartici Sacc. M. 146.
cornicola (DC.) Rabh. M. 148.
Chenopodii Wert. M. 150.
Campanulæ S. et S. M. 151.
capsulicola S. et S. M. 152.
crastophila Sacc. M. 153.
carpinea Sacc. M. 158.
corylaria Sacc. M. 153.
Cratægi Sp. M. 483.
destruens Dmz. M. 134.
Dulcamaræ Sacc. M. 160.
discors S. et Sp. M. 154.
evonymella Sacc. M. 138.
Ehrhartii Sacc. M. 140.
Epimedii Sacc. M. 149.
Erythrææ S. et S. M. 152.
Evonymi S. et S. M. 155.
Farfaræ Sacc. FV.II. 302. v. 203. M. 143.
Forsythiæ Sacc. M. 93. 147. FI. 87. MV. 979.
fragaricola Dmz. et Rob. M. 140.
Filipendulæ Sacc. M. 145.
flavidula Sacc. M. 531.
filipendulina Sacc. M. 150. 276.
Grossulariæ Sacc. M. 136.
Galeopsidis Sacc. M. 150.
Gomphrenæ S. et S. M. 151.
Glechomæ Sacc. M. 151.
helleborella Sacc. FV.II. 301. v. 203. M. 143.
hedericola DR. et M. FV.v. 203. MV. 351. M. 137.
Humuli Sacc. M. 144.
ilicina Sacc. FV.v. 203. M. 136. MV. 512.
Juglandis (DC.) Sacc. M. 135. MV. 981.
Jasmini Sacc. M. 138.
Jacobæa Sacc. M. 149.
juglandina Sacc. M. 155.
liliicola Sacc. FV.v. 203. M. 152.
Ligustri Sacc. M. 134. MV. 980.
Lauri West. M. 135.
Lamii Sacc. M. 142.
Laserpitii Sacc. M. 145.
Lappæ Sacc. M. 151.
laburnicola Sacc. M. 152. MV. 978.
Laurocerasi S. et S. M. 153.
laurella Sacc. M. 157.
lutetiana Sacc. M. 159.
ligustrina S. et S. M. 160.
Magnoliæ Sacc. M. 139.
Marchantiæ Sacc. M. 144.
Mahoniæ S. et S. M. 153.
Mespili Sacc. M. 159.
Nerii West. M. 138.
Negundinis Sacc. M. 149.
nervisequa Sacc. M. 160.
Napi Sacc. M. 532.
Oxalidis Sacc. M. 142.
Opuli Sacc. M. 146.
orobina Sacc. M. 149.
Opuntiæ S. et S. M. 156.
osteospora Sacc. M. 531.
pyrina Sacc. M. 134. 531.
populea Sacc. M. 135.
Pseudoplatani Sacc. M. 136.
potentillica Sacc. M. 139.
Plantaginis Sacc. M. 140.
Polygonorum Sacc. M. 141.
Pharbitis Sacc. M. 144. MV. 983.
Portulacæ Sacc. M. 145.
Persicæ Sacc. M. 147.
Paulowniæ Sacc. M. 143.
phaseolina Sacc. M. 149.
Physaleos Sacc. M. 150.

Platani S. et S. M. 153.
pyricola S. et S. M. 153.
populina Sacc. M. 155.
punica S. et S. M. 156.
photinica Sacc. M. 156. 276.
photinicola Sacc. M. 157.
prunicola (Opiz.) Sacc. M. 157. 483.
Phaseolorum S. et S. M. 160.
Pæoniæ S. et S. M. 160.
profusa Sacc. M. 260. MV. 1213.
Platanoidis Sacc. M. 360. 531.
Phillyreæ Sacc. M. 531.
Quercus Sacc. M. 138.
Quercus Ilicis Sacc. M. 155.
Robiniæ Sacc. M. 146.
Ranunculi S. et S. M. 150.
rubicola Rabk. M. 154.
rhamnigena Sacc. M. 156.
ruscicola Dmz. M. 157.
Rhamni Wert. M. 158.
Rhododendri Sacc. M. 531.
syriaca Sacc. M. 136.
sorghina Sacc. M. 140.
scrophularinea Sacc. M. 141.
Sonchi Sacc. M. 141.
Syringæ West. M. 147-531. MV. 982.
Siliquastri Sacc. M. 148.
Symphoricarpi West. M. 148.
Saponariæ (Fckl.) Sacc. M. 154.
Scrophulariæ Sacc. M. 159.
sycophila Thm. M. 531.
tinea Sacc. M. 135.
Tami Sacc. M. 142.
Teucri Sacc. M. 144.
Tecomæ Sacc. M. 148.
Tropæoli Sacc. et Speg. M. 152.
Tiliæ Sacc. et Speg. M. 158.
Tormentillæ Sacc. M. 159.
tineola Sacc. M. 531.
Urticæ Sacc. M. 141.
ulmicola Sacc. M. 158.
vulgaris Desm. MS. 195.
Vitis (Fckl.?) M. 135.
Violæ Dmz. M. 143.
viticola Sacc. et Speg. M. 155.
Vincetoxici Sacc. M. 156.
Verbasci Sacc. M. 531.
Weigeliæ Sacc. M. 139.

Physalospora Niessl. (Pyren.) 122.
Astragali (Lasch) Sacc. M. 124. 276. (Ph. Kœhneana.)
Corni Sacc. FV.iv. 4. (Botr.) M. 329. 506. Fl. 182.
Euganea Sacc. M. 244. MV. 1163. Fl. 601.
Festucæ (Lib.) Sacc. M. 27. Fl. 600.
fallaciosa Sacc. M. 121. Fl. 602.
gregaria Sacc. Fl. 432. M. 491. 506. FV.iv. 4. (Botr. Bér. dispersa)
f. Corni albæ MV. 656.
f. Frangulæ MV. 769.
f. populina MV. 770. Fl. 432.
f. salicina MV. 89.
Galegæ Sacc. FV.iv. 5. (Botryosph.)
Kœhneana Sacc. *V.* Ph. Astragali
minutula S. et S. M. 369. Fl. 354.
pustulata Sacc. Fl.iv. 3. M. 99. Fl. 137. (Botryosph.)

Physarum Pers. (Myxom.)
compressum A. S. M. 433.
cinereum (Batsch) Pers. MV. 1101. M. 516.
leucophæum Fr. FViv. 39. MV. 270.
nutans Pers. MS. 174. *V.* Tilmadoche nutans.
subutatum Schum. MS. 174.
virescens Ditm. FV.iv. 39.

Pigottia B. et Br. (Sphærops.)
astroidea B. et Br. MS. 144. M. 203. MV. 994.

Pileolaria Cast. (Hypod.)
Terebinthi (DC. Cast. MS. 87. MV. 877. 139.

Pilidium Kze (Sphærops.)
acerinum Kze MV. 996. *V.* Leptothyrium acerinum.

Pilobolus Tode (Phycom.)
crystallinus Tode FV.v.172. MV. 495.
Kleinii Tiegh. MV. 454.

Pirottæa Sacc. (Discom.)
Veneta S. et S. M. 424.

Pistillaria Fr. (Hymen.)
micans Pers. FV.v. 165.

Pithya Fckl. (Discom.)
cupressina (Batsch) Fckl. M. 69.
f. Juniperi virg. MV. 729.

Plectania Fckl. (Discom.)
coccinea (Jacq.) Fuck. MS. 166. *V.* Peziza.
melastoma (Sow.) Fckl. M. 69. *V.* Peziza.

Pleonectria Sacc. (Pyren.)
† Berolinensis Sacc. M. 123. M. 324.
Lamyi (Desm.) Sacc. FV.v. 178. M. 324. MV. 688.

† lichenicola (Cr.) Sacc. M. 325.

Pleospora Rabh. (Pyren.)
Anthyllidis M. 49. *V.* P. Collaltina.
Bardanæ Niessl. M. 49. 490. FI. 406.
calvescens (Fr.) Tul. MS. 103. FI. 550. FV.II. 215. (Leptosph.)
comata Niessl. FV.II. 309. FI. 554.
*macrochæta S. FI. 554.
Collaltina S. et S. M. 347. FI. 301. M. 49. (P. Anthyllidis.)
Dianthi DNtrs. MS. 103.
Gilletiana Sacc. M. 357. 511. FI. 330.
herbarum (Pers.) Rabh. MS. 102. M. 48. 511. FI. 547.
f. Dioscoreæ MV. 75.
f. Meliloti MV. 922.
hyalospora Speg. M. 462. FI. 636.
hispida Niessl. M. 462. FI. 553.
infectoria Fckl. MS. 103. MV. 775. FI. 548.
lanuginosa Sacc. M. 120. FI. 545.
Leguminum Rabh. M. 511.
media Niessl. M. 48. 511. MV. 1349. FI. 551.
malacospora Speg. M. 462. FI. 635.
oligomera S. et S. M. 408. MV. 1361. FI. 331.
pyrenophoroides Sacc. FV.II. 309. M. 348. FI. 304.
polyphragmia Sacc. M. 120. FI. 546.
pallida S. et S. M. 232. FI. 332.
phragmospora (Dur. et Mtgn.) Ces. M. 48. FI. 552.
f. Yuccæ MV. 776.
phæospora (Duby) Ces. et DNtrs.
*Venziana Sacc. FV.IV. 308. M. 348. FI. 303.
Spegazziniana Sacc. M. 347. FI. 302.
straminis S. et S. M. 407. FI. 329.
Salsolæ Fckl. M. 462.
Venziana V. P. phæospora.
Venturia Speg. M. 461.
vulgaris Niessl. M. 48. 511. FI. 549.

Plicaria Fckl. (Discom.)
badia (Pers.) Fuck. MS. 167. *V.* Peziza.
repanda (Wahlbg.) Fuck. MS. 167. *V.* Pezlza.

Pocillum DNtrs. (Discom.)
Cesatii DNtrs. M. 67. M 98. FI. 118. MV. 952.

Podosphæra Lév. (Pyren.)
clandestina (Lk.) Lév. FV.v. 173. MV. 783.
Kunzei Lév. MS. 209. FV.v. 173. MV. 783.

Polycystis Lév. (Hypod.)
Anemones (Pers.) Schröt. M.8.
f. A. nemorosæ MV. 791.
f. A. Hepaticæ MV. 840.
f. Ranunculi bulb. MV. 841.
italica S. et S. MV. 454.
pompholygodes (Schlecht.) Lév. MS. 74. (Urocystis.)
Violæ (Sow.) Berk. M. 438. MV. 1317. (Urocystis.)
Colchici (Schlecht.) Schröt. M. 541. (forma Muscari.)

Polynema Lév. (Discom. spur.)
decipiens (DNtrs) Sacc. MS. 189. *V.* Dinemasporium.
hispidulum (Schrad.) Fr. MS. 189. *V.* Dinemasporium.
strigosum Fr. MS. 189. *V.* Dinemasporium.

Polyactis Lk. (Hyphom.)
acinorum (Pers.) Sacc. MV. 292. *V.* Botrytis.
vulgaris Lk. MV. 291. *V.* Botrytis.

Polyporus Fr. (Hymen.)

1. Apus.
applanatus (Pers.) Fr. MS. 51. MV. 104. FV.v. 162.
abietinus (Dicks.) Fr. FV.v. 163. M. 501.
annosus Fr. M. 501.
adustus (W.) Fr. MS. 50. MV. 11.
var. resupinatus MS. 50. M. 12.
crispus (Pers.) Fr. MS. 50.
cuticularis (Bull.) Fr. MS. 51.
castaneus Fr. MS. 52.
cæsius Fr. M. 436.
destructor Fr. MS. 50.
dichrous Fr. MS. 50. M. 501.
Evonymi Kalchbr. FV.v.164. MV.414.
fumosus (Pers.) Fr. MS. 50. MV. 10 M. 511.
fomentarius (L.) Fr. MS. 52. MV. 14.
f. stratosa MV. 15.
fraxineus (Bull.) Fr. MS. 52.
fulvus (Scop.) Fr. M. 501. MS. 54. (Tram.)
Gelsorum Fr. MS. 52.
hispidus (Bull.) Fr. MS. 51. MV. 12. (II. ed.)
hirsutus (Wulf.) Fr. FV.v. 163. M. 501. MS. 53. MV. 15.

var. scruposus FV.v. 163. MV. 16.
igniarius (L.) Fr. MS. 52.
lutescens (Pers.) Fr. MS. 53.
merismoides Cda FV.v. 162.
officinalis (Vill.) Fr. MS. 51.
pulchellus Sacc. MS. 50.
resinosus (Schrd.) Fr? MS. 51. MV. 13. (=P. spumeus Fr. sec. exempl. Plow. et Cke!)
Ribis Fr. MS. 54. (Tram.)
f. Corni MV. 20.
subspadiceus Fr. M. 539.
unguiatus (Schäff.) Sacc. M. 539.
Venetus Sacc. MS. 52.
velutinus Fr. MS. 53. MV. 17.
versicolor. (L.) Fr. MS. 53. FV.v. 163. M. 501. 548.
var. cyanescens FV.v. 163. MV. 18.
var. fusco-lutescens FV.v. 163. MV. 19.
var. dædalea FV.v. 163. MV. 413.
zonatus Nees MS. 53.

2. Merisma.
confluens (A. S.) Fr. MS. 49.
frondosus (Schrad.) Fr. MS. 49. MV. 817.
Pes capræ (Pers.) MS. 49. MV. 816.
sulfureus (Bull.) Fr. MS. 49. MV. 1108.
salignus Fr. MS. 49.

3. Mesopus.
brumalis (Pers.) Fr. MS. 48. MV. 8. (II. ed.)
cinnamomeus (Jacq.) Sacc. M. 362.
fuligineus (Pers.) Fr. MS. 48.
leptocephalus (Jacq.) MS. 48.
ovinus (Schäff.) Fr. MS. 48.

4. Pleuropus.
lucidus (Leyss.) Fr. MS. 49. MV. 9.
var. sessilis MS. 49.
picipes Fr. MS. 49.
sericellus Sacc. V. Polyp. Saccardoi.
squamosus (Schäff.) Fr. MS. 48. MV. 8.
Saccardoi Cke et Quel. M. 501. FV.v. 163. M. 97. Fl. 106. MV. 818. (P. sericellus.)
varius (Pers.) Fr. MS. 49.

5. Resupinatus.
contiguus (Pers.) Fr. M. 3.
ferruginosus (Schrad.) Fr. FV. 163. MV. 411.
magis evolutus MV. 819.
Medulla panis (Pers.) Fr. MS. 53. MV. 821.
molluscus (Pers.) Fr. MS. 54.
obliquus (Pers.) Fr. MS. 53.
f. stratosa MV. 820. (II. ed.)
obducens (Pers?) MS. 54. (=P. Braunii Rabh. F. E. 2005!)
reticulatus (Pers.) Fr. M. 3.
sinuosus Fr. M. 3.
sanguinolentus (A. S.) Fr. FV.v. 164. MV. 13. (II. ed.)
vitreus (Pers.) Fr. MS. 54. MV. 17. (II. ed.)
vulgaris Fr. MS. 54. MV. 412.
vaporarius Fr. MS. 54. MV. 1304. M. 502.
*P. macer. Somm. MV. 1305. M. 540.

Polyscytalum Riess. (Hyphom.)
griseum Sacc. M. 87. Fl. 60.
sericeum Sacc. M. 86. Fl. 59.

Polystigma Pers. (Pyren.)
fulvum DC. MS. 146. V. P. ochraceum.
ochraceum (Wahlg.) Sacc. M. 282. MS. 146. (P. fulv.)
*aurantiacum West. M. 282.
rubrum Pers. MS. 146. M. 282. M. 551.
f. Pruni domest. MV. 638.
f. Pruni spinosæ. MV. 637.

Polythrincium Kze. (Hyphom.)
Trifolii Kze. MS. 145. MV. 584. M. 537.
f. Trifol. alpestris MV. 1094.

Propolis Fr. (Discom.)
alba Fr. MS. 157. M. 61. V. faginea.
faginea (Schrad.) Karst. M. 421-61-514. MS. 157 (P. alba).
f. strobilinia Dmz. M. 421.
f. cinerascens (Pers.) M. 421.
f. nivea Fr. M. 421.
versicolor Fr. v. *lactea* M. 514. V. P. faginea.

Protomyces Ung. (Phycom.)
Bizzozerianus Sacc. M. 14. M. 97. Fl. 103. MV. 889.
carpogenus Sacc. M. 118.
fallax Sacc. M. 118.
graminicola Sacc. FV.v. 172. M. 97. Fl. 101. MV. 496 (Oog. Perono-

sporæ (Sclerosporæ) graminicolæ. Sacc. seu Peronosporæ Setariæ Pass.
Heleocharidis Fckl. FV.v. 172.
macularis (Wallr.) Fckl. M. 13.
reticulatus Sacc. M. 13. M. 97. FI. 102 (Oog. Peronosp. Viciæ).
xylogenus Sacc. M. 14. M. 97. FI. 104 (An Coccospora aurantiaca Wallr?)

Pseudohelotium Fckl. (Discom.)
hyalinum (Pers.) Fr. FV.iv. 33.

Pseudopeziza Fckl. (Discom.)
Cerastiorum (Wallr.) Schröt. M. 253. MV. 1282.
†Morthieri Sacc. M. 357.

Pseudoprotomyces Gib. (prod. morb.?).
violaceus (Ces.) Gib. MV. 1342.

Pseudovalsa C. et DNtrs. (Pyren.)
hapalocystis (B. et Br.) Sacc. f. minor. M. 44. FI. 450.
longipes (Tul.) Sacc. FV.iv. 20. M. 463.
lanciformis (Fr.) Ces. et DNtrs. M. 44. MV. 928.
macrosperma (Tul.) Sacc. FV.iv. 20. FI. 449.
Malbrancheana Sacc. M. 509.
umbonata (Tul.) Sacc. FV.iv. 20. FI. 448.

Psilobotrys Sacc. (Hyphom.)
minuta Sacc. M. 87-538. FI. 62. (Rhinotr.)

Psilospora Rabh. (Spærops.)
faginea Rabh. MS. 203.
(stat. pycnid. Dichænæ fagineæ.)
Quercus Rabh. Fuck. MS. 203.
(stat. pycnid. Dichænæ quercinæ.)

Puccinia Pers. (Hypod.)
Anemones Pers. MS. 79. M. 8. *V.* P. fusca.
Ægopodii Lk. MS. 80. MV. 1132.
Alliorum Cda. MS. 83 (rectius P. Allii Rud. 1829).
arundinacea Hedw. MS. 84. MV. 126. (nunc P. Phragmitis (Schum.) Körn.)
f. provecta MV. 391 *V.* P. Magnusiana.
Agrostemmatis Fckl. MS. 207. MV. 58.
Aristolochiarum Cda. FV.v. 168. M. 9.
Æthusæ Lk. FV.v. 169. MV. 474.
Artemisiarum Duby. FV.v. 169.
f. Art. vulgaris MV. 471.
Amphibii Fckl. FV.v. 170.
Asparagi DC. FV.v. 170. MV. 125.
alsophila Sacc. M. 241. MV. 1130. *V.* P. pulvinulata Rud.
Andropogonis Fckl. MS. 208. *V.* P. Cesatii.
Betonicæ DC. M. 549.
Buxi DC. MS. 83. MV. 788-858.
Brachypodii Fckl. MS. 84. *V.* P. linearis.
Balsamitæ Rabh. MS. 207. MV. 54.
Bardanæ Cda. MS. 207. MV. 388. (II. ed.)
Bistortæ DC. FV.v. 170.
var. Polygoni vivipari FV.v. 170.
Berckeleyi Pass. MV. 383.
Chondrillæ Cda. MS. 80. MV. 458.
Centaureæ DC. MS. 80.
f. C. nigrescentis MV. 460.
f. C. Scabiosæ MV. 463.
f. C. Scabiosæ, caulicol. MV. 861.
Cirsii Lasch. MS. 81. MV. 128.
f. Serratulæ MV. 457.
Cesatii Schröt. Entw. einig. Rostp. II. 70. MS. 208. MV. 477-478. (P. Andop. Fckl., nec Schw.)
f. Andropogonis Grylli MV. 865.
Clinopodii DC. MS. 82.
f. Calamnithæ MV. 862.
Convolvuli Cast. MS. 83.
st. uredosp. MV. 127.
st. teleutosp. MV. 57.
Cynodontis Desm. MS. 208. MV. 60.
Conii Fckl. FV.v. 169. MV. 390.
Cyani Pass. FV.v. 169.
Cichorii Bellynk. FV.v. 169. MV. 384.
Circææ Pers. FV.v. 170. MV. 389.
var. C. alpinæ FV.v. 170.
Cerasi Cda. MV. 49.
f. Persicæ M. 8.
Chamædryos Ces. M. 9. MV. 1312.
Calthæ Lk. M. 364. MV. 1313 (P. calthicola Schröt.)
caricina DC. (1815) MS. 83 (rectius P. Caricis Reb. (1804).
f. C. hirtæ MV. 59.
f. C. ripariæ MV. 59.
f. C. montanæ MV. 853.
f. C. paludosæ MV. 851.
f. C. præcocis (Ured.) MV. 483. (stat. teleut.) MV. 852.
f. C. strictæ MV. 482.

coronata Cda. MS. 84. M. 503.
f. Glyceriæ MV. 479.
st. teleut. MV. 850.
f. Lolii MV. 480.
f. Tritici repent. MV. 124.
f. Phalaridis MV. 1260.
fusca (Sow.) Schröt. MS. 79. M. 8-549 (P. Anemones).
Glechomæ DC. MS. 81. MV. 446.
Gentianæ Lk. Fck. MS. 82.
f. G. cruciatæ (Ured.) MV. 467.
(teleut.) MS. 859.
graminis Pers. MS. 84. M. 503.
f. Agropyri MV. 1138.
Galiorum Lk. MS. 208.
f. G. sylvatici MV. 55.
f. G. Molluginis (Æcid.) MV. 454.
st. teleut. MV. 455.
f. G. purpurei MV. 860.
f. G. veri MV. 456.
Globulariæ DC. MV. 1259 (P. grisea (Str.) est nomen anterius).
Hieracii Mart. MS. 207.
MV. 386. M. 503.
heterochroa Desm. FV.v. 168. MV. 381 (rectius P. Valantiæ Pers.)
Hordei Fckl. M. 503.
Lychnidearum Lk. MS. 80.
Lapsanæ Fckl. MS. 207. MV. 52.
Lycoctoni Fckl. FV.v. 168.
Liliacearum Ung. f. Muscari comosi M. 503.
*P. Rossiana Sacc. M. 541. MV. Cent. XV.
Luzulæ Lib. M. 9. MV. 854.
linearis Dmz. MV. 481. MS. 84 (P. Brachypodii).
Moliniæ Tul. MS. 208.
(Ured.) MV. 476.
(Teleut.) MV. 129.
Maydis Béreng. MS. 208. FV.v. 274. v. 210. MV. 119-120 (Var. Pucciniæ Sorghi Schw.)
Millefolii Fckl. FV.v. 169. MV. 462.
Magnusiana Kcke. M. 9. MV. 849-391.
Malvacearum Mtgn. FV.v. 168.
f. Althææ roseæ MV. 382.
f. Malvæ sylv. MV. 470.
Menthæ Pers. MS. 82.
f. M. aquaticæ MV. 121.
f. M. austriacæ MV. 449.
f. M. rotundifoliæ MV. 453.
f. M. sylvestris (ured.) MV. 450.
(ured. et teleut.) MV. 452-451.
Noli-tangere Cda. M. 364. MV. 1314.
obtegens Tul. MS. 81. MV. 51. *V.* P. suaveolens (Pers.) Schröt.
Oreoselini (Str.) Fck. MS. 207. MV. 50.
Polygonorum Fck. MS. 83.
f. P. Convolvuli MV. 122.
f. P. lapathifol. MV. 123.
Pimpinellæ Lk. MS. 207. MV. 475.
Prenanthis Fckl. MS. 208. MV. 53.
Prunorum Link. MS. 79. M. 8.
f. Armeniacæ (Ured.) MV. 856.
f. " (Teleut.) MV. 857.
f. Persicæ (Ur. et Tel.) MV. 1129.
f. Pruni domesticæ MV. 48.
f. Pruni spinosæ MV. 855.
pulvinulata Rud. (Linnæa, 1829 p. 115). M. 241. (P. alsophila).
Rhododendri Fckl. MS. 80.
Rossiana Sacc. M. 541. MV. Cent. XV.
Rumicis Lasch. FV.v 169.
(Ured.) MV. 468.
(Teleut.) MV. 469.
straminis Fck. MS. 83. MV. 392. M. 503 (rectius P. striiformis West.)
Succisæ K. et S. MS. 208.
Scirpi Lk. MS. 208. MV. 131. M. 549.
Senecionis Lib. FV.v. 169. MV. 461.
Stachydis DC. FV.v. 169. MV. 473.
Salviæ glutinosæ Ces. FV.v. 169. M. 9.
f. epiphylla MV. 130-864.
f. caulogena MV. 863.
suaveoleos (Pers.) Schröt. M. 549. MV. 51. MS. 81.
Sonchi Rob. et Dmz. M. 241. MV. 1131.
Stellariæ Dub. MS. 207.
f. Stellariæ mediæ MV. 1128.
f. Cerast. sylv. MV. 448.
f. Malachii aq. MV. 447.
Tragopogonis Cda. MS. 81. MV. 387.
Thesii Chaill. MS. 82.
Tanaceti DC. FV.v. 169. M. 9.
f. Carlinæ vulg. MV. 1311.
f. Chrysanth. corym. MV. 464.
f. Tanaceti vulg. MV. 459.
Umbelliferarum DC. MS. 80.
Violarum Lk. MS. 79. M. 549.
f. Violæ odoratæ MV. 1133.
f. Violæ caninæ MV. 466.
f. Violæ sylvestris MV. 1134.
Veronicarum DC. MS. 208. MV. 56.
Vincæ Berk. MS. 82. MV. 58.
variabilis Grev. FV.v. 169.
f. Leontodontis hastil. MV. 465.
f. Taraxaci off. MV. 385.
f. Scorzoneræ MV. 1327.

Valerianæ Carest. et Ces. M. 9. MV. 876.

Pustularia Fckl. (Discom.)
cupularis (L.) Fuck. MS. 167. *V.* Peziza.
vesiculosa (Bull.) Fuck. MS. 167. MV. 733. *V.* Peziza.
v. *saccata* Fr. MS. 157.

Pyrenopeziza Fckl. (Discom.)
atrata (Pers.) Fckl. FV.iv. 33.
acicola S. et S. M. 423.
Chailletii (Pers.) Fuck. M. 64.
castanea Sacc. M. 422.
foliicola (Karst.) Sacc. M. 165.
f. Quercus MV. 957.
graminis (Dmz.) Sacc. M. 354. MV. 1195. M. 254 (Pyr. hyster.) M. 354.
hysterina Sacc. M. 254. *V.* Pyrenopez. graminis.
ligni (Desm.) Sacc. FV.iv. 33. MV. 956.
lugubris (DNtrs.) Sacc. *P. millepunctata Sacc. FV.iv.33.
lichenicola Speg. M. 472.
pusilla S. et S. M. 423.
Plantaginis Fckl. M. 423.
Rubi (DNtrs.) M. 423. (Aliquid differt a Pyr. Rubi (Fr.) Rhm.)

Pyronema Car. (Discom.)
aurantio-rubrum Fckl. **pallens* M. 69. *V.* Peziza.
araneosum Speg. M. 237. *V.* Peziza arachnoidea.
Franzonianum DNtrs. FV.iv. 38. M. 432. *V.* Peziza.
omphalades (Bull.) Fuck. FV.iv. 38. *V.* Peziza.
rhophalascum M. 432. *V.* Peziza.
subhirsutum (Schm.) Fckl. FV.v. 184. M. 237. MV. 732.

Q

Quaternaria Tul. (Pyren.)
† dissepta (Fr.) Tul. M. 505.
Nitschkii Fuck. MS. 143. *V.* Anthostoma gastrinum.
Persoonii Tul. MS. 149.

R

Rabenhorstia Fr. (Sphærops.)
Tiliæ Fr. M. 518.

Radulum Fr. (Hymen.)
molare Fr. M. 502.
orbiculare Fr. FV.v. 164.
quercinum (Schrad.) Fr. M. 3. M. M. 502.

Ramularia Ung. (Hyphom.)
Asperifolii Sacc. FV.v. 186. M. 88. Fl. 65. MV. 591.
Ajugæ (Niessl.) Sacc. M. 266. MV. 1048.
Bellunensis Speg. M. 475.
calcea (Dmz.) Desm. M. 266. MV. 1045.
† Cynaræ Sacc. M. 536.
didyma Ung. FV.v. 186. MV. 592.
filaris Fres. FV.v. 186.
Heraclei (Oud.) Sacc. FV.v. 187 (Cylindrosp.)
† lata Sacc. M. 535.
lactea (Desm.) Sacc. MV. cent. XV.
microspora Thm. M. 475.
obovata Fck. FV.v. 187. MV. 590. 535.
ovata Fck. M. 266. MV. 1047.
Philadelphi Sacc. M. 88. Fl. 64. MV. 1049.
Parietariæ Pass. M. 266. MV. 1044.
† sphæroidea Sacc. M. 130.
Tulasnei Sacc. M. 536.
Urticæ Ces. MS. 186. MV. 294. M. 535.
variabilis Fckl. M. 266.
f. Blattariæ MV. 1046.
Valerianæ (Sp.) M. 475 (Cylindrosp.)
Weigeliæ Sp. M. 475.

Rebentischia Karst. (Pyren.)
appendiculosa (B. et Br.) Sacc FV.v. 177. *V.* Anthostomella.
Massalongi (Mtgn.) Sacc. M. 36. MS. 99 (Sphæria).

Reticularia Bull. (Myxom.)
Lycoperdon Bull. MS. 171. *V.* R. umbrina.
maxima Fr. *V.* Brefeldia.
umbrina Fr. MS. 171.

Rhaphidophora C. et DNtrs. (Pyren.) *)

*) *Rhaphidospora*, ut multi scribunt, dici nequit, quia extat inter Acanthaceas homonymon genus a Neesio conditum et ab Endlichero (G. P. n. 4098) et Candollio (Prodr. XI. 499.) confirmatum.

acuminata (Sow.) Sacc. MV. 1371. M. 512-542.
Bardanæ (Wallr.) Fuck. MS. 101. MV. 74.
Graminis Sacc. FV.II. 307.
Hesperidis Sacc. MS. 101. MV. 74. (II. editio.)
herpotricha (Fr.) C. DNtrs. M. 463. FI. 629.
Montellica Sacc. FV.II. 307. FV.v. 191.
† maritima Sacc. M. 119.
macrocarpa Sacc. FV.II. 306. MV. 919.
pellita Fuck. MS. 210. M. 512.
rubella (Pers.) Fuck. MS. 101. MV. 920.
rudis (Riess.) Fuck. MS. 101.
Urticæ Rabh. MS. 210. M. 542.
ulnospora (Cke.) Sacc. M. 243. FI. 296. MV. 1160.
Vitalbæ Sacc. MS. 202.
Xanthii (Lasch.) Ces. et DNtrs. MS. 101.

Rhinotrichum Cda. (Hyphom.)
chrysospermum Sacc. FV.v. 196. M. 87. FI. 61. MV. 573.
griseum Sacc. M. 87. FI. 63.
minutum Sacc. M. 87. FI. 62. M. 538. *V.* Psilobotrys.
repens Pr. MS. 211. MV. 289.

Rhizomorpha Pers. (Mycel. Pyren.)
fragilis Roth. MS. 154.
scandens Pers. MS. 154.
subterranea Pers. MS. 154.

Rhopographus Nke. (Pyren.)
filicinus (Sow.) Nke. MS. 145. MV. 289 (st. sperm.)

Rhytisma Fr. (Discom).
acerinum (Pers.) Fr. MS. 159. M. 521.
f. Aceris camp. MV. 724.
f. Pseudoplatani MV. 725.
Euphorbiæ Schub. MS. 78. *V.* Melampsora Euphorbiæ.
punctatum (Pers.) Fr. MS. 160.
salicinum (Pers.) Fr. MS. 160. MV. 723. M. 515.

Robergea Dmz. (Pyren.)
unica Dmz. M. 252.

Rœstelia Reb. (Hypod.)
cancellata (L.) Reb. M. 550.

Rosellinia DNtrs. (Pyren.)
Aquila (Fr.) DNtrs. MS. 108. FV.II. 327. MV. 80. FI. 586. M. 506.
v. vulgaris Fck. MS. 108.
v. bissiseda Tode) Fck. MS. 108. MV. 790.
v. glabrata Fck. MS. 108.
f. Vitis viniferæ MV. 1366.
ambigua Sacc. FV.II. 328. MV. 162. FI. 594.
apiculata Sacc. M. 26-99. FI. 150.
amphisphærioides S. et S. M. 352. MV. 1274. FI. 588.
chordicola Sacc. M. 372. FI. 333.
Desmazierii (B. et Br.) Sacc. M. 371. FI. 393.
f. Populi pyramidalis MV. 1364.
f. Philadelphi coronarii MV. 1365.
ligniaria (Grev.) Nke. FV.II. 328. MV. 781. FI. 596.
malacotricha(Awd.)Niessl. FV.II. 328. FI. 593.
mammiformis (Pers.)C. DNtrs. M.497. FI. 589.
protuberans Karst. M. 371. FI. 335.
pseudo-Bombarda Sacc. MS. 109. FV.II. 329. FI. 592.
pulveracea (Ehrh.) Fckl. MS. 109. FV.II. 329. FI. 591.
f. Castaneæ MV. 780.
f. Quercus MV. 916.
f. Robiniæ MV. 81.
f. Juglandis regiæ MV. 1158.
rimincola Rhm. FV.II. 329. FI. 590. M. 507.
shombispora Sacc. M. 372. FI. 334.
sordaria (Fr.) Rhm. FV.II. 329. FI. 295. M. 507.
sylvana Sacc. FV.II. 329. M. 26-99. FI. 149.
thelena (Fr.) Rabh FV.II. 328. MV. 917. FI. 587.
Winteriana Sp. M. 228. FI. 620.

Russula Pers., Fr. (Hymen.)
aurata (With.) Fr. MS. 42.
alutacea (Pers.) Fr. MS. 43.
emetica Fr. MS. 42.
fœtens (Pers.) Fr. MS. 22.
grisea (Pers.) Fr. MS. 42.
heterophylla Fr. MS. 41.
integra (L.) Fr. MS. 42.
lactea (Pers.) Fr. MS. 42.
nigricans (Bull.) Fr. MS. 41.
pectinata (Bull.) Fr. MS. 42.
rubra (DC.) Fr. MS. 41.

var. pallens MS. 41.
sanguinea (Bull.) Fr. MS. 41.
vesca Fr. MS. 41.
var. Venturii MS. 41.
virescens (Schäff.) Fr. MS. 42.

Ryparobius Boud *) (Ascom.)
crustaceus (Fckl.) M. 238. (Pezizula.)
Pelletieri (Cr.) M. 238. (Pezizula.)
saccoboloides Speg. MV. 474.

S

Saccardoella Speg. (Pyren.)
Montellica Speg. MV. 461. FI. 630.

Saccharomyces Meyen. (Hyph. Sacch.)
apiculatus Rees Speg. Ampl. n. 13.
Cerevisiæ Rees MS. 176. (Hormisc. Vini) Speg. Ampel. n. 14.
ellipsoideus Recs. Sacc. Sull. *Oidium lact.* p. 7.
Glutinis farinæ (Dmz.) Sacc. MS. 176. (Mycod. Glut.)
Mycoderma Rees. MS. 176. (Mycod. Vini.)
f. doliorum MV. 574.
f. Cerevisiæ M. S. 176. (Mycod. Cerevisiæ.)

Saccobolus Boud. (Discom.)
Hansenianus Speg. M. 234.
Kerverni Boud. E. Ch. M. 234.

Sacidium Nees (Sphærops.)
Spegazzinianum Sacc. M. 94. FI. 92. MV. 555. (sub Stigmella.)
Venetum Speg. M. 287.

Sarcinella Sacc. (Hyphom.)
heterospora Sacc. M. 98. MV. 153. 154. FI. 126.

Schinzia Wor. (Phycom.?)
Alni Woron. M. 13. MV. 1341.

Schizophyllum Fr. (Hymen.)
commune Fr. MS. 45. MV. 5.
f. lobatum MV. 795.

Schizostoma Mtgn. (Pyren.)
† Montagnei Ces. et DNtrs. M. 337.
Montellicum Sacc. M. 43. 99. 337. FI. 146.
† pachythele (B. et Br.) Sacc. M. 338.
querceti S et S. M. 410. FI. 358.
vicinum Sacc. M. 44. 335. 337. FI. 289.
vicinellum Sacc. M. 335. 337. FI. 240.

Schizoxylon Pers. (Discom.)
æruginosum Fckl. M. 422.
Berkeleyanum (DR. et Lév.) M.471.

Scirrhia Nke (Pyren.)
Poæ Fuck. MS. 146.
rimosa (A. S.) Fckl. FV.v. 182. MV. 234.

Scleroderma Pers. (Lycoperd.)
Geaster Fr. MS. 72.
vulgare Fr. MS. 72.
verrucosum (Bull.) Pers. MS. 72. M. 548.

Sclerotinia Fckl. (Discom.)
oreophila Sacc. FV.iv. 35. M. 98. FI. 114.

Sclerotium Tod. (Sphærops. v. Mycel).
Clavus DC. MS. 125. MV. cent. XV.
durum Pers. MV. 1230. M. 274. 532.
glauco-albidum Dmz. M. 274. MV. 1231.
mycetophagum Sacc. M. 274.
Pustula DC. MS. 204.
salicinum Fr. MS. 77. *V.* Melampsora.

Scopinella Lév. (Pyren.)
† barbata (Pers.) Lév. M. 284.

Scutula Tul. (Discom.)
Wallrothii Tul. MS. 155. (Spil. affine, in Peltigera canina.)

Sepedonium Lk. (Hyphom.)
chrysospermum (Bull.) Fr. MV. 577. MS. 124. (Mucor).
cervinum (Ditm.) Fr. MS. 124. (Mycogone.)
osteophilum Bon. FV.v.196. MV.366.
roseum (Lk.) Fr. MV. 578. MS. 124. (Mycogone).

Selenosporium Dmz. (Hyphom.)
pyrochroum Dmz. *V.* Fusarium.
sarcochroum Dmz. *V.* Fusarium.

Septocylindrium Bonord. (Hyphom.)

*) Ryparobius Boud. (1869), Pezizula Karst. (1871).

Bonordenii Sacc. M. 89. Fl. 75. MV. 1050.
dissiliens (Duby) Sacc. FV.v. 186. M. 89. Fl. 74. MV. 583.
† Magnusianum Sacc. M. 130.
virens Sacc. FV.v. 186. M. 89. Fl. 73.

Septonema Cda (Hyphom.)
rude Sacc. M. 270.
Vitis Lév. MS. 176. *V.* Septocylindrium virens.

Septoria Fr. (Sphærops.)
Aceris Berk. et Br. MS. 93. M. 527.
Astragali Desm. MS. 196. M. 181. MV. 1005.
argyræa Sacc. MV. 1215. M. 127. 178.
Æsculi (Lib.) West. M. 176. MV. 1222.
Alni Sacc. M. 177.
ascochytoides Sacc. M. 178.
alnigena Sacc. M. 178.
Asari Sacc. M. 181.
ægopodina Sacc. M. 185.
Armoraciæ Sacc. M. 187.
Anemones Dmz. M. 189. MV. 1007.
anaxæa Sacc. M. 189.
Atriplicis (Dmz.) Sacc. M. 190. 260. MV. 1227.
Aristolochiæ Sacc. M. 191.
Arabidis Sacc. M. 192.
affinis Sacc. M. 194. MV. 1225.
arundinacea Sacc. M. 195.
alismatella Sacc. M. 196.
asclepiadea Sacc. M. 196.
f. Cynanchi japonici MV. 1223.
f. Marsdeniæ erectæ MV. 1224.
Bidentis Sacc. FV.v. 205. M. 183. MV. 311.
Betulæ (Lib.) West. M. 177.
Berberidis Niessl. M. 177. MV. 1015.
Bumeliæ Sacc. M. 180. MV. 1221.
bellidicola Rob. et Desm. M. 182.
Bromi Sacc. M. 194. 529.
brunneola (Fr.) Niessl. M. 197.
Brunaudiana Sacc. M. 528.
brachyspora Sacc. M. 529.
Cheiranthi Desm. MS. 195. M. 189.
Convolvuli Desm. MS. 196. M. 180.
f. Convolvuli arvensis MV. 1008.
f. Calystegiæ MV. 315.
Calystegiæ MS. 196. *V.* S. Convolvuli var.
Clematidis Desm. MS. 196. MV. 1011. M. 186.
Chenopodii West. MS. 196. M. 183.
castanicola Desm. FV.v. 204. MV. 312. MS. 95. M. 175.
cornicola (DC.) Kickx. FV.v. 204. MV. 314. M. 178.
Celtidis Sacc. (?)FV.v. 204. M. 179. MV. 552.
Cucurbitacearum Sacc. FV.v. 205. M. 183. MV. 317.
Clematidis rectæ Sacc. FV.v. 205. M. 183. MV. 321.
Cytisi Desm. FV.v. 205. M. 171. MV. 322.
Cratægi Kx. FV.v. 206. MV. 537. M. 178.
Chelidonii Desm. FV.v. 206. M. 181. MV. 539.
compta Sacc. M. 93. Fl. 89. M. 189.
candida (Fckl?) Sacc. M. 171.
Citri Pass. M. 173.
Caprifolii Sacc. M. 174.
Calycanthi Sacc. M. 176.
Corni maris Sacc. M. 178.
Catalpæ Sacc. M. 179. MV. 1214.
Capparidis Sacc. M. 185.
Cirsii Niessl. M. 188. MV. 1014.
Cyclaminis Dur. et Mtgn. M. 189. MV. 1216.
Cymbalariæ S. et S. M. 190. 527.
Chloræ S. et S. M. 192.
caulicola Sacc. M. 192.
caricicola Sacc. M. 196.
Cerastii Rob. et Desm. M. 260. MV. 1226.
caulogena Sacc. M. 529.
cæspitulosa Sacc. M. 529.
Dulcamaræ Desm. MS. 196. M. 181. MV. 1217.
Dianthi Desm. MS. 197. M. 187.
dianthicola Sacc. M. 191.
Dictamni Fckl. M. 192. MV. 1012.
donacina Sacc. M. 195.
detospora Sacc. M. 529.
Epilobii West. MS. 195. M. 185.
Evonymi Rabh. MS. 196. M. 172.
Eupatorii Rob. et Desm. FV.v. 205. M. 183. MV. 553.
Emeri Sacc. M. 173.
elæospora Sacc. M. 178.
Ebuli Rob. et Desm. M. 186. MV. 1013.
Epipactidis Sacc. M. 197.
Erythronii S. et S. M. 197.
Fraxini Fr. MS. 196. *V.* Sep. Orni
Fragariæ Dmz. M. 189. MV. 548. FV.v. 206.
Fuckelii Sacc. M. 190. MV. 1009.
fulvescens Sacc. M. 191.
graminum Desm. MS. 197. M. 194.
Geranii Rob. et Desm. FV.v. 205. M. 188.

Grossulariæ West. FV.v. 207. M. 173.
Gei Rob. et Dmz. FV.v. 207.
Globulariæ Sacc. M. 182. MV. 1020.
Gratiolæ Sacc. M. 185.
Grylli Sacc. M. 195.
Gilletiana Sacc. M. 359. 527.
Hepaticæ Desm. MS. 196. M. 181.
Hederæ Desm. MS. 197. M. 172. MV. 1010.
hyalospora Mtgn. et Ces. FV.v. 204. M. 179.
heterochroa Desm. FV.v. 206
f. *Lami* Desm. FV.v. 206. MV. 544. *V.* S. Lamii
Hoyæ Sacc. M. 172 MV. 1016.
Humuli Wert. M. 188. MV. 1001
Heraclei Dmz. M. 192.
hydrophila S. et S. M. 195.
Holoschæni Mtgn. M. 196.
Hellebori Sacc. M. 529.
Hibisci Sacc. M. 173.
imperialis Sacc. M. 174.
Inulæ S. et S. M. 190.
Lamii Dmz. M. 180.
Lychnidis Klotsch. MS. 296.
Lysimachiæ West. MS. 197. M. 186.
Leycesteriæ Sacc. M. 177.
Lapparum Sacc. M. 184.
Leucanthemi S. et S. M. 191. MV. 1218.
littoralis Speg. M. 486.
Lactucæ Pass. M. 527.
Letendreana Sacc. M. 528.
Medicaginis Desm. MS. 197.
Mori Lév. FV.v. 204. MV. 319. M. 175.
moricola Pass. M. 175.
Mespili Sacc. M. 177.
Mellitidis Sacc. M. 182.
Nebula Sacc. M. 193.
nigrella Sacc. M. 194.
Oxyacanthæ Kze MS. 197. M. 176. MV. 636.
oleandrina Sacc. FV.v. 205. M. 171. MV. 533.
Oreoselini (Lasch.) Niessl. M. 128.
Orni Pass. M. 177. MS. 196. MV 532. S. Fraxini).
Œnotheræ (Lasch.) West. M. 186 MV. 309.
orobina Sacc. M. 187.
Orchidearum West. M. 197.
orobicola S. et S. MV. 1219.
Ornithagali Pass. M. 486.
Podagrariæ Lasch. MS. 145. M. 192.
Potentillarum Fckl. MS. 195. *V.* Glæosporium Fragariæ.
pyricola Desm. FV.II. 310. v. 204. M. 171. MV. 320.
f. protrusa. MV. 550.
Polygonorum Desm. FV.v. 205. M. 183. MV. 1220.
f. Persicariæ MV. 542.
f. Amphibii MV. 310.
Petroselini Desm. FV.v. 206. MV. 543. M. 182.
Pastinacæ West. FV.v. 207. M. 188.
pterophila Sacc. M. 93. FI. 90. M. 198.
Phyteumatum Sacc. M. 127.
pleosporoides Sacc. M. 128. 193. 528.
Populi Dmz. M. 171. MS. 197. MV. 313.
f. Populi albæ MV. 540.
persica Sacc. M. 174. MV. 1097.
phomatoides Sacc. M. 175.
pithyophila Sacc. M. 175.
Phlocis S. et S. M. 184.
Phyteumatis Siegm. M. 184.
Pulmonariæ Sacc. M. 188.
phomatella Sacc. M. 528.
pseudo-phoma Sacc. M. 528.
Phragmitis Sacc. M. 195.
quercina Dmz. M. 174.
quercicola Dmz. M. 174.
Rhamni cathartici Ces. MS. 196. M. 172. MV. 316.
f. R. saxatilis MV. 546.
Ranunculacearum Lév. MS. 197. M. 193.
Rubi (Duby) West. FV.II. 300. v. 206 M. 172. 527. MV. 538.
Rosæ Dmz. M. 176.
f. R. caninæ MV. 1018.
Rosæ arvensis Sacc. M. 176. MV. 1019.
rhamnigena Sacc. M. 180.
sparsa Fck. MS. 195. *V.* Sept. Tormentillæ var.
scabiosicola Desm. MS. 195. M. 181.
f. S. sylvaticæ. MV. 534.
f. S. succisæ MV. 535.
Sii Desm. MS. 196. M. 180.
Sorbi (Ces.) Fck. MS. 197.
f. torminalis MV. 551.
Senecionis West. MS. 197. M. 181 MV. 318.
Saponariæ (Rabh.) Sacc. FV.v. 205. M. 186. MV. 323.
Syringæ Sacc. M. 176.
Stellariæ Rob. et Desm. M. 182. MV. 1292.
Sonchi Sacc. M. 183.
salicicola (Fr.) Sacc. M. 171. MV. 1017.

sepium Dmz. M. 185.
succisicola Sacc. M. 191.
Scirpi Sacc. M. 196.
Scolopendrii Sacc. M. 197.
stemmatea (Fr.) Berk. MS. 197. M. 172. MV. 1399
Tormentillæ West. FV.v. 204. MS. 197. M. 181.
f. Potentillæ reptantis West. FV.v. 204. MV. 549.
Teucrii Sacc. M. 184.
Tunicæ Sacc. M. 193.
trichophila Sacc. M. 528.
Ulmi Fr. MS. 144. M. 175. 527. FV.v. 206. MV. 545.
Urticæ Dmz. M. 188. MV. 1002.
Ulmariæ Sacc. M. 527.
Violæ Rabh. MS. 196. M. 183.
Viburni West. MS. 197. M. 173.
Vincetoxici (Schub.) Awd. FV.v. 206. M. 181. MV. 541.
Virgaureæ Desm FV.v. 207. MV. 1006. M. 186.
Vitalbæ Sacc. M. 193.
Verbenæ Rob. et Dmz. M. 527.
verbenicola Sacc. M. 528.
Xanthii Dmz. FV.v. 206. MV. 547. M. 192.
Zizyphi Sacc. M. 173.

Septosporium Cda (Hyphom.)
bulbotrichum Corda MS. 180.

Sillia Karst. (Pyren.)
ferruginea (Pers.) Karst. FI. 539. MS. 147. (Melogr.)

Solenia Pers. (Hymen.)
candida Hoffm. FV.v. 165.
† exigua Sacc. M. 117.

Sordaria C. et DNtrs. (Pyren.)
anserina (Rabh.) Wint. FV.v. 178. M. 226. MV. 1178.
curvula de Bary. M. 26. 225. MV. 1182.
coprophila Ces. et DNtrs. M. 227. 506.
curvicolla Wint. M. 228.
decipiens Wint. M. 226.
fimicola (Rob.) Ces. et DNtrs. M. 26. 224. MV. 1181.
fimiseda Ces. et DNtrs. M. 226.
fermenti (Fkl.) Wint.
*phyllogena Sacc. M. 373. FI. 391.
humana (Fckl.) Awd. M. 223. MV. 1177.
lanuginosa (Pr.) Sacc. M. 26. 225.
*culmigena S. et S. M. 373. MV. 1363. FI. 392.
leucotricha Speg. M. 225. FI. 619.
merdaria (Fr.) Awd. M. 224. MV. 1180.
minima S. et S. M. 373. FI. 617.
plejospora Speg. M. 227. FI. 618.
setosa Wint. M. 228.
zygospora Speg. M. 227. FI. 618.

Speira Cda (Hyphom.) (Cattanea Gar. ti toruloides Cda. MS. 178.

Spegazzinia Sacc. (Hyphom.)
ornata Sacc. Nov. Hyph. genus, cum icone.

Sphærella C. et DNtrs. (Pyren.)
Atomus MS. 93. *V.* S. Fagi.
acerina (Wallr.) Fckl. MS. 93. M. 507.
Adonis Sacc. M. 122.
aquilina (Fr.) Strss. MS. 94.
Asteroma (Fr.) Karst. FV.v. 175.
anarithma (B. et Br.) Cooke. FV.v. 175. *V.* Leptosphæria.
Ariadna Sacc. M. 34. 379.
* Tormentillæ M. 379. FI. 379.
Alni (Fckl.) Sacc. M. 245. MV. 1369.
Buxi MS. 93. *V.* Microthyrium microscopicum.
Berberidis (Nke) Fckl. MS. 209.
Bellona Sacc. M. 244.
brassicicola (Duby) C. DNtrs. M. 507.
carpinea (Fr.) Auersw. MS. 93. *V.* Læstadia carpinea.
crastophila Sacc. MS. 94. *V.* Leptosphæria.
Circe Sacc. FV.II. 301.
Ceres Sacc. FV.v. 302.
Cinxia Sacc. FV.v. 303,
caricicola Fckl. FV.v. 175.
crassa Awd. M. 35.
clymenia Sacc. M. 35. MV. 908.
corylaria (Wallr.) Fckl. M. 351. MV. 1261.
collina S. et S. M. 379. FI. 387.
Coneglanensis Speg. M. 455. FI. 626.
Dejanira Sacc. FV.II. 300.
Equiseti Fckl. FV.v. 175.
elatior S. et S. M. 379. FI. 386.
Epicymatia (Wallr.) Fck. M. 456. MS. 98. (S. Apotheciorum.)
Fagi Awd. M. 378. FI. 381.
Gibelliana Pass. M. 379.
Galatea Sacc. FV.II. 304.
Hederæ Cooke.? MS. 96. *V.* Leptosphæria Hederæ.
Hermione Sacc. FV.II. 301.
Karsteniana Sp. M. 229. FI. 625.

ignobilis Awd. FV.v. 175.
lineolata (Rob.) DNtrs. MS. 95.
Ligustri (Desm.) Fckl. MS. 209.
Ligea Sacc. FV.II. 300. MV. 692.
Lachesis Sacc. FV.II. 302. M. 456.
leptasca Awd. M. 381.
myriadea (DC.) Fckl. MS. 95. *V.* Sphærulina.
macularis (Fr.) Auersw. MS. 95.
maculiformis (Pers.) Auersw. MS. 95. M. 507.
f. Castaneæ MV. 693.
Mori (Nke) Fckl. MS. 209.
Maturna Sacc. FV.II. 303.
microspila (B. et Br.) Cke FV.v. 175.
morphæa Sacc. M. 35.
mediterranea Sacc. M. 35.
Maydis Pass. M. 245. FI. 383.
minor Karst. M. 381. FI. 388.
Najas Sacc. FV.II. 304.
nemorosa S. et S. M. 378. FI. 377.
nerviseda Speg. M. 456. FI. 627.
Ophiopogonis Sacc. MS. 94. *V.* Leptosphæria.
punctiformis (Pers.) Fckl. MS. 93.
petiolicola (Desm.) Auersw. MS. 96.
perpusilla MS. 209. *V.* S. ignobilis.
Pieris Sacc. FV.II. 302.
phyllachoroides Sacc. FV.II. 304.
Pales Sacc. FV.II. 305.
Populi Awd. FV.v. 175.
Pteridis (Dmz.) DNtrs. M. 380.
prominula Speg. M. 456.
Stellariæ (Rabh.) Fckl. MS. 94.
salicicola (Rabh.) Fckl. MS. 95.
superflua (Auersw.) Fckl. MS. 96.
Sentina (Fr.) Fckl. MS. 209.
Selene Sacc. FV.II. 301.
Scirpi lacustris Awd. FV.v. 175.
sylvatica S. et S. M. 380. FI. 382.
Typhæ (Lasch.) Fckl. MS. 209. MV. 158.
Thais Sacc. FV.II. 305.
Tyrolensis Awd. M. 34.
topographica S. et S. M. 380. FI. 385. MV. 1368.
umbrosa Sacc. M. 378. FI. 378.
Vaginæ (Lasch) Fckl. MS. 94.
Vincæ (Fr.) Fckl. MS. 209. *V.* Leptosphæria.
Vitis (Rabh.) Fck. MS. 209.
Venziana Sacc. FV.II.
verna S. et S. FI. 380.
Zeæ Sacc. M. 377. FI. 384.

Sphæria Hall. (Pyren.)
acerina Wallr. MS. 93. *V.* Sphærella.
Apotheciorum Mass. MS. 98. *V.* Sphærella Epicymatia.
arundinacea Sow. MS. 107. *V.* Leptosphæria
Bombarda Batsch. MS. 114. *V.* Bombardia.
comata Tod. MS. 91. *V.* Chætomium.
Coniothyrium Fckl. MS. 98. *V.* Leptosphæria.
Coryli Batsch. MS. 100. *V.* Gnomonia.
calvescens Fr. MS. 103. *V.* Pleospora.
culmifraga MS. 107. *V.* Leptosphæria.
cinnabarina Tode MS. 122. *V.* Nectria.
ceratosperma Moug. et Nest. *V.* Valsa ceratophora.
Craterium DC. MS. 161. *V.* Trochila.
Corni Sow. MS. 210. *V.* Physalospora.
Doliolum Pers. MS. 103. *V.* Leptosphæria.
deusta Hoffm. MS. 153. *V.* Ustulina.
erythrella Wallr. MS. 108. *V.* Trichosphæria.
fuscella Berk. et Br. MS. 97. MV. 72-73. *V.* Leptosphæria vagabunda.
fimbriata Pers. MS. 100. *V.* Gnonomia.
filicina Sow. MS. 145. *V.* Rhopographus.
Fragariæ Tul. MS. 210. *V.* Stigmatea.
fuscidula Sacc. FV.v. 211. MV. 159. *V.* Melanomma.
Gleditschiæ (Schw.) Ces. et DNtrs. MS. 122. *V.* Cucurbitaria.
gastrina Fr. MS. 143. *V.* Anthostoma.
Hederæ Sow.? MS. 96. *V.* Leptosphæria.
herbarum Pers. MS. 102. *V.* Pleospora.
Lichenopsis Mass. *V.* Melanomma.
Lichenis sordidi Mass. MS. 99. *V.* Celidium grumosum.
leucostoma Pers. MS. 134. *V.* Valsa.
macularis Fr. MS. 95. *V.* Sphærella.
myriocarpa Fr. MS. 109 *V.* Coniothyrium.
maculiformis Pers. MS. 95. *V.* Sphærella.
Massalongi Mon . MS. 99. *V.* Rebentischia Massalongi.
Psoromatis Mass. MS. 99.

pulveracea Ehrh. MS. 109. *V.* Rosellinia.
purpurea Fr. MS. 125. *V.* Claviceps.
profusa Fr. MS. 125. *V.* Aglaospora.
pulchella Pers. MS. 149. *V.* Calosphæria Princeps.
protracta Nees. MS. 119. *V.* Cucurbitaria.
quaternata Pers. MS. 159. *V.* Quaternaria Persoonii.
Rusci Wallr. MS. 96. *V.* Leptosphæria.
rosella Alb. Schw. MS. 124. *V.* Hypomyces.
rufa Pers. MS. 125. *V.* Hypocrea.
Rhamni Nees. MS. 121. *V.* Cucurbitaria.
rhamphospora Mass. MS. 99. *V.* Rebentischia Massalongi.
Systema solare Fr. MS. 210. (Aptius Læstadia Systema solare).
sæpincola Fr. MS. 210. *V.* Leptosphæria.
Stellarinearum Rabh. MS. 94. *V.* Sphærella.
suffulta Nees. MS. 103. *V.* Leptosphæria.
salicicola Rabh. MS. 95. *V.* Sphærella.
setacea Pers. MS. 100. *V.* Gnomonia.
suffusa Fr. MS. 126. *V.* Cryptospora.
salicina Pers. MS. 132. *V.* Valsa.
salicella Fr. MS. 135. *V.* Diaporthe.
Trifolii Pers. MS. 145. *V.* Phyllachora.
tubiformis Tode MS. 100. *V.* Gnomonia.
Ulmi Sow. MS. 144. *V.* Phyllachora.
Variolariæ Mass. MS. 99.
Veronensis Mass. MS. 99.

Sphæridium Fres. (Hyphom.)
citrinum Sacc. M. 90. Fl. 77.

Sphæroderma Fckl. (Pyren.)
† theleboloides Fckl. M. 282.

Sphæronema Fr. (Sphærops.)
Cirsii Lasch. MS. 82. *V.* Æcidium.
Spinella Kalchbr. MV. 1391.

Sphæropsis Lév. (Sphærops.)
caulincola MS. 203. *V.* Diplodia herbarum.
Hippoglossi Mtgn. f. Rusci aculeati MV. 1000. *V.* Phoma.
leucostigma Lév. MS. 140-203. *V.* Phoma leucost.
longissima (Pers.) Fr. MS. 203. *V.* Phoma.
melæna Fr. MS. 203. *V.* Phoma.
Taxi (Sow.) Bk. MV. 999. *V.* Diplodia Taxi.

Sphærostilbe Tul. (Pyren.)
† aurantiaca Tul. M. 298.
† cæspitosa Fckl. M. 298.
† cinnabarina (Mtgn.) Tul. M. 298.
† coccophila Tul. M. 299.
† flavo-viridis Fckl. M. 298.
† fusca Fckl. M. 298.
† flammea Tul. M. 299.
† gracilipes Tul. M. 298.
† hyalina Fckl. M. 298.
† lateritia B. et C. M. 299.
† nitida B. et C. M. 299.
† pseudotrichia (Schw.) B. et Br. M. 299.
† repens B. et Br. M. 299.
† sanguinea Fckl. M. 298.
† variabilis B. et Br. M. 299.
† Wrightii B. et C. M. 299.

Sphærotheca Lév. (Pyren.)
Castagnei Lév. MS. 90. M. 504.
f. Humuli MS. 90. MV. 67 (II. ed.) stat. conid. 627. stat. ascop. 628.
f. Vitis Fuck. MS. 90. MV. 626.
f. Bidentis MV. 145.
f. Cucurbitacearum MV. 144.
f. Erigerontis MV. 899.
f. Inulæ hirtæ MV. 630.
f. Physalidis MV. 633.
f. Plantaginis lanc. MV. 900.
f. Sanvitaliæ MV. 629.
f. Senecionis nemor. MV. 631.
f. Xanthii Strumarii MV. 901.
f. Melampyri nemorosi MV. 1375.

Sphærotilus Ktz. (Hyphom. v. Algæ).
lacteus Ktz. MS. 175.
thermalis Ktz. MS. 175.

Sphærulina Sacc. (Pyren.)
fraxinea S. et S. M. 399.
intermixta (B. et Br.) Sacc. MV. 1327. M. 400. Fl. 347.
myriadea (DC.) Sacc. M. 399. Fl. 346. MS. 95 (Sphærella).

Spathularia Pers. (Discom.)
flava Pers. MS. 168.

Spicaria Hart. (Hyphom.)
elegans (Cda.) Harz. FV.v. 194. MV. 572.

Spilobolus Lk. (Sphærops.)
Oleæ DNtrs. FV.iv. 28. FV.v. 207.

Spilocæa Fr. (Hyphom.)
Pomi Fr. MS. 177. (Initia Passaloræ dendr.)

Spilodium Mass. (Discom.)
affine Mass. MS. 135. *V.* Scutula.

Spolverinia Mass. (Pyren v. Lichen.)
Punctum Mass. MS. 99.

Sporendonema Dmz. (Hyphom.)
Casei Desm. MS. 178. *V.* Torula.

Sporidesmium Lk. (Hyphom.)
Bizzozerianum Sacc. FV.v. 193. M. 89. FI. 71. MV. 365.
cellulosum Klotzsch. MS. 211.
echinulatum Speg. M. 478.
glomerulosum Sacc. M. 131.
helicosporum Sacc. M. 89. FI. 72. MV. 1064.

Sporocybe Fr. (Hyphom.)
byssoides (Pers.) Fr. MS. 103-181. FV.v. 192-196. MV. 303.

Sporodinia Lk. (Phycom.)
dichotoma Cda. MS. 208. *V.* S. grandis.
grandis Lk. MS. 208 (S. dichotoma) M. 551.

Sporodum Cda. (Hyphom.)
conopleoides Cda. MS. 91.

Sporonema Dmz. (Sphærops.)
glandicola Desm. FV.v. 202.

Sporormia DNtrs. (Pyren.)
ambigua Niessl. M. 459.
fimetaria DNtrs. M. 400. FI. 614.
gigantea E. Ch. M. 231. FI. 616.
gigaspora Speg. M. 231. *V.* S. Spegazzinii.
grandispora Speg. M. 230.
intermedia Awd. FV.v. 178. M. 230.
leptosphærioides Speg. M. 459. FI. 613.
lageniformis Fckl. M. 231.
minima Awd. FV.v. 178. M. 230. MV. 1183-84.
Spegazzinii Pir. M. 354. *V.* M. 231. FI. 615.
ulmicola Pass. et Wint. M. 510.

Sporoschisma Berk. (Hyphom.)
Ampullula Sacc. FV.v. 191. *V.* Chalara.
mirabile Berk. et Br. FV.v. 191. MV. 288.
Montellicum Sacc. FV.v. 191. *V.* Chalara.

Sporotrichum Lk. (Hyphom.)
aureum (Pers.) Fr. MS. 183.
Bérengerianum Sacc. MV. 247.
calcigenum Lk. MS. 182.
chlorinum Lk. FV.v. 192.
fuscum Lk. MS. 108. MV. 80-1082.
murinum (Lk.) Bon. FV.v. 192. MV. 290.
olivaceum Linck. MS. 183.
roseum Linck. MS. 183.
torulosum Bon. FV.v. 192.
velutinum Sacc. MV. 191.
virescens Liuck. MS. 183.

Spumaria Pers. (Myxom.)
alba (Bull.) DC. MS. 173.

Stachybotrys Cda. (Hyphom.)
atra Cda. MS. 211.
alternans Bon. FV.v. 193. MV. 261.

Stachylidium Lk. (Hyphom.)
bicolor Lk. FV.v. 195. M. 84. FI. 50.
extorre Sacc. M. 84. FI. 49.
thelenum Sacc. M. 85. FI. 51. MV. 918.

Stamnaria Fckl. (Discom.)
Persoonii (Fr.) Fckl. M. 67. MV. 953.

Staurochæta Sacc. (Sphærops.)
minima Sacc. FV.iv. 41. M. 73. FI. 2.

Stegia Fr. (Discom.)
dumeti S. et S. M. 420.
Ilicis (Chev.) Fr. FV.v. 184. MV. 698.
Lauri (Cald.) Sacc. MV. 699. MS. 211 (Nævia).

Steganosporium Cda. (Hyphom.)
elevatum Riess. MS. 126.

Stemonitis Gled. Fr. (Myxom.)
fusca Roth. MS. 172. MV. 497.

Stemphylium Wallr. (Hyphom.)
botryosum Wallr. MS. 180.
Magnusianum Sacc. M. 132.
ramulosum Sacc. M. 360-536.

Stereonema Ktz. (Hyphom. v. Alg.)
asperum Menegh. MS. 176.
lutescens Ktz. MS. 176.
var. geminatum Menegh. MS. 176.

Stereum Lk. (Hymen.)
acerinum (Pers.) Fr. MS. 63. MV. 410.
Boltonii Sacc. M. 239. MV. 1113.
disciforme DC. MS. 63. M. 502.
hirsutum (W.) Pers. MS. 63. MV. 32. M. 502.
var aurantiacum MS. 63.
purpureum Pers. MS. 62.
rugosum Pers. em. Fr. FV.v. 165. MV. 409.
rubiginosum (Schrad.) Fr. MS. 63. MV. 33.
spadiceum Fr. MS. 63. M. 502.
tabacinum (Pers.) Fr. M. 5.

Sterigmatocystis Fres. (Hyphom.)
† antacustica Cr. M. 91.
candida Sacc. M. 91. FI. 80.
† dubia (Cda) S. M. 91.
italica Sacc. M. 91. MS. 184. (Aspergillus sterigm.)
phæocephala (DR.Mtgn.) Sacc. FV.v. 194. (Asperg.).
† sulphurea Fr. M. 91.

Stictis Pers. p. p. (Discom.)
arundinacea Pers. M. 422.
æcidiiformis Speg. M. 471.
minima S. et S. M. 421.
nivea Pers. M. 60. MV. 358.
Pupula Fr. M. 61. 421.
radiata Pers. MS. 156.
Saccardoi Rhm. FV.v. 184. M. 61. MV. 258.
*Spallidula Sacc. M. 61.

Stigmatea Fr. (Pyren.)
Fragrariæ Tul. MS. 210. (Sphæria).
Robertiani Fr. M. 34. MV. 909.

Stigmella Lév. (Hyphom.)
dryina (Cda) Lév. M. 264. MV. 555. MV. 1065.
Montellica Sacc. M. 90. FI. 78. MV. 1066.
Visianica Sacc. M. 353. MV. 1289.

Stilbospora Pers. p. p. (Melanc.)
angustata P. MV. 99. M. 533.
microsperma Pers. MS. 180. *V.* Melanconium conglomeratum Lk.

Stilbum Tode (Hyphom.)
byssinum Pers. MS. 189.
erythrocephalum Ditm. M. 274. MV. 1253.

Strobilomyces Berk. (Hymen.)
strobilaceus (Scop.) Berk. MS. 48.

Stysanus Cda (Hyphom.)
microsporus Sacc. M. 274. MV. 1068.
pallescens Fuck. MS. 94.
Stemonitis (Pers.) Corda MS. 187.

Synchytrium de Bary et W. (Phycom.)
plantagineum S. et S. M. 243. MV. 1125.
Succisæ de Bary. FV.v. 172. MV. 1124.
Taraxaci de Bary. M. 13.

T

Tapesia Fckl. (Discom.)
fusca (Pers.) Fckl. M. 65.
variicolor. (Fr.) Fckl. M. 65.
var. fusco-umbrina Fr. M. 65.

Taphrina Fr. (Discom. Gimnoasc.)
candicans Sacc. M. 118. *V.* Ascomyces candicans.

Teichospora Fckl. (Pyren.)
anceps Sacc. M. 247. 349. FI. 310.
ignavis (DNtrs.) Karst. M. 47. 340. FI. 316.
Mesascium (DNtrs.) Sacc. M. 451. 349. FI. 313.
obducens (Fr. p. p.) Fuck. MS. 210. M. 348. FI. 308.
oxystoma S. et S. M. 350. FI. 315.
patellarioides Sacc. M. 47. 350. FI. 317.
pezizoides S. et S. M. 350. FI. 318. MV. 1270.
seminuda (DNtrs.) Sacc. M. 47.
sarmenticia S. et S. M. 349. FI. 312.
Sylvana S. et S. M. 349. FI. 314.
trabicola (Fuck.) MS. 210. M. 349. FI. 311.

Vitalbæ (DNtrs.) Sacc. FV.v. 177. M. 349. FI. 309.

Tetraploa B. et Br. (Hyphom.)
aristata B. et Br. FV.v. 193.

Thamnomyces Ehrh. (Pyren.)
hippotrichodes FV.v. 184. M. 24. *V.* Xylaria filiformis.

Thelephora Pers. (Hymen.)
anthocephala (Bull.) Fr. MS. 61.
coralloides Fr. MS. 61. M. 548.
cristata (Pers.) Fr. MS. 62.
intybacea Pers. MS. 62.
laciniata Pers. MS. 62.
palmata (Scop.) Fr. MS. 61.
var. digitata (Pers.) MS. 61.
spiculosa Fr. MS. 62.
sebacea Pers. MS. 62.

Thyridaria Sacc. (Pyren.)
incrustans Sacc. FV.IV. 14. FV.v. 200. MV. 170. MS. 118. (Cucurb. Broussonetiæ.)

Thyridium Nke. (Pyren.)
cingulatum (Mtgn.) Sacc. M. 512.
pulchellum S. et S. M. 249. 350. FI. 320. MV. 1274.
Rousselianum Sacc. M.49.350. FI.319.
vestitum (Fr.) Fuck. FV.IV. 14. MS. 122. (Cucurb. vagans) *V.* Fenestella vestita.

Thyronectria Sacc. (Pyren.)
Patavina Sacc. FV.IV. 23. M. 99. M. 325. FI. 152.
† pyrrochlora (Awd.) Sacc. M. 325.

Thyrsidium Mont. (Melanc.)
botryosporum Mtgn. FV.v. 193.
hedericola (DNtrs.) Dur. et Mtgn. FV.v. 193. MV. 1078.

Tichothecium Flot. (Pyren. v. Lichen.)
erraticum Mass. MS. 100.

Tilletia Tul. (Hypod.)
Caries (DC.) Tul. MS. 74. MV. 1153. M. 503.
levis Kühn. FV.v. 168. MV. 373.
striiformis (West.) Niessl. M. 8.

Tilmadoche Fr. (Myxom.)
nutans (Pers.) Rost. MV. 1102. MS. 17. (Physarum.)

Titæa Sacc. (Hyphom.)
callispora Sacc. FV.v. 193. M. 73. FI.1 MV. 571.

Torrubia Lév. (Pyren.)
militaris (Ehrh.) Tul. MS. 125. *V.* Cordyceps militaris.

Torula Pers. (Hyphom.)
aurea MS. 177. (non Monilia aurea hujus ind.) V. Penicillium glaucum var. citrinum.
candida (Wallr.) Opiz. MS. 177.
Celtidis Biv? MS. 178. *V.* Gyroceras Celtis.
Centaurii Fckl. FV.v. 190.
fructigena Pers. MS. 177. MV. 273. *V.* Monilia.
glauca Fr. FV.v. 190.
herbarum Lk. MS. 178. MV. 272.
hyalinula Sacc. M. 265.538. MV.1255.
Hippocrepis Sacc. MS. 178. *V.* Hirudinaria.
† Lechleriana Sacc. M. 131.
monilioides Cda M. 538.
perpusilla Sacc. M. 265. MV. 1056.
rosea Pr. FV.v. 190.
sporendonema B. et Br. MS. 178.
Tubercullariæ Nees. MS. 178.
Uredinis (Lk.) Fr. MS. 177. MV. 359.
virescens (Link.) Sacc. FV.v. 190.
vinosella Sacc. M. 265. MV. 1057.

Trametes Fr. (Hymen.)
cinnabarina (Jacq.) Fr. MS. 55.
fulva (Scop.) Fr. MS. 54. *V.* Polyporus.
gibbosa (Pers.) Fr. MS. 55.
hispida Baglietto MS. 54. MV. 21. f. populea MV. 822.
populina Fr. MS. 55. MV. 415.
perennis (L.) Fr. MS. 55.
Ribis Fr. MS. 54. MV. 20. f. Corni) *V.* Polyporus.
rubescens (A. S.) Fr. M. 436.

Trematosphæria Fckl. (Pyren.)
pertusella Sacc. M. 451. *V.* Melanomma.
pertusa (P.) Fuck. M. 451. *V.* Melanomma.

Tremella Fr. (Hymen.)
foliacea Pers. MS. 68. MS. 162. MV. 566.
foliicola Fckl. FV.v. 166.
mesenterica Retz. MS. 68.
moriformis Berk. FV.v. 166. MV. 36.
quercina Poll. MS. 68.

sarcoides With. MS. 69. MS. 162. St. Corynis sarcoidis.

Triblidium Reb. (Discom.)
hysterium Duf. M. 54.
rhopalascum M. 54. MV. 1172.

Trichia Hall. (Myxom.)
chysosperma (Bull.) DC. MS. 171. M. 552.
Jackii Rost. FV.IV. 40.
Lorinseriana Corda MS. 171.
nigripes Pers. MS. 171.
pyriformis Hoffm. FV.IV. 40. MV.962.
scabra Rost. FV.IV. 40.
varia Pers. FV.IV. 40. MV. 791.

Trichoderma. Pers. (Hyphom.)
viride Pers. MS. 125. MV. 295.

Trichopeziza Fckl. (Discom.)
Aranea (DNtrs.) Sacc. M. 253. MV.1283.
leucophæa (Pers.) Rehm. FV.IV 33.
Nidulus (Schm. et K.) Fuck. MS. 163. M. 515.
nivea (Hedw.) Fuck. MS. 163.
punctiformis (Fr.) Fuck. MS. 163. M. 66.
pulveracea Fckl. MS. 163.
sulphurea (Fr.) Fckl. M. 515.
villosa (Pers.) Fckl. MS. 163. (Cyphella?)

Trichosphæria Fckl. (Pyren.)
erythrella (Wallr.) Fuck. MS. 108.
nobilis S. et S. M. 247. M. 348. FI.306.

Trichothecium Lk. (Hyphom.)
candidum Wallr. MS. 124.
roseum (Bull.) Fr. MS. 186. MV. 293. M. 535.
f. pallescens. MV. 1034.
f. Robiniæ MV. 1035.

Triphragmium Lk. (Hypod.)
Isopyri Moug. M. 363. MV. 1319.

Triposporium Cda (Hyphom.)
elegans Cda MS. 181.

Trochila Fr. (Discom.)
Craterium (DC.) Fr. MS. 161. MV. 700. M. 515.
f. Hederæ canarien. MV. 1285.
diminuens Karst. M. 420.
*crastophila M. 420.
Laurocerasi (Desm.) Fr. MS. 161. M. 60. 515. MV. 726.
f. Pruni lusitanicæ MV. 1284. (Pez. smaragdina Lév.)
Populorum Dmz. M. 419.
f. Salicis capreæ M. 470.
puccinioides DNtrs. MS. 161.
prominula S. et S. M. 420.
Rubi DNtrs. MS.161. *V.* Pyrenopeziza.

Trogia Fr. (Hymen.)
crispa (Pers.) Fr. FV.V. 162.

Tromera Mass. (Discom. v. Lich.)
Resinæ (Fr.) Körb. M. 514. *V.* Pezicula Resinæ.

Tuber Mich. (Tuber.)
æstivum Vitt. MS. 155.
Borchii Vitt. M. 544.
brumale Vitt. MS. 155. MV. 470.
rufum Pico MS. 155. M. 470.

Tubercularia Tode (Hyphom.) 1)

1) Divisio HYPHOMYCETUM hoc in Repertorio sensu latissimo sumpta est, nempe complectens omnes fungos in matrice propria subsuperficiales, hyphis plus v. minus evolutis conidiisque liberis instructos, ascis, peritheciis v. ascomatibus carentes. A MELANCONIEIS differunt fructificatione superficiali nec subcutanea; a SPHÆROPSIDEIS defectu peritheciorum. Meo sensu tres hæ divisiones primariæ tantum habendæ sunt ad fungos s. d. secundarios v. imperfectos tutius limitandos. E sectionibus autem pluribus quæ ab auctoribus *) tot tantisque modis adhibitæ sunt in Hyphomycetibus distinguendis, meo sensu sequentes tantum admittendæ sunt:

HYPHOMYCETEÆ Nees, Sacc.

Laxæ; stromate nullo v. subnullo instructæ.
- hyphæ sporophoræ sejunctæ.
  - hyphæ et conidia flaccida, mox collabascentia, pallida, rarius fusca. . . . . MUCEDINEÆ.
  - hyphæ et conidia rigidula, nigricantia . . . . . DEMATIEÆ.
- hyphæ sporophoræ in fasciculos stipitiformes collectæ. . . . . STILBEÆ.

Compactæ; stromate plerumque crassiusculo basi instructæ. . . . TUBERCULARIEÆ.

*) Cfr. FRIES *Summa*, BERK. *Outl.*, CDA *Anleit.*, KX. *Fl. Flandr.* etc.

ampelophila Sacc. M. 262.
ciliata Ditm. v. sessilis M. 534.
confluens Pers. M. 262. MV. 1232.
granulata Pers. FV.v. 197. MV. 1087.
f. Pseudacaciæ MV. 565.
nigricans Lk. FV.v. 197. MV. 561. M. 534.
persicina Ditm. FV.v. 197. MV. 368.
pusilla Sacc. MV. 686.
Sambuci Cda FV.v. 197. MV. 562.
versicolor Sacc. FV.v. 197. MV. 564.
vinosa Sacc. M. 262. MV. 1089.
vulgaris Tode MS. 122. M. 534,
f. Alni MV. 563.
f. Pseudacaciæ. MV. 565.
f. stipitata MV. 1088.

Tulasnodea Fr. (Lycoperd.)
mammosa Fr. MV. 424. MS. 72.

Tympanis Tode p. p. (Discom.)
Frangulæ Fr. FV.v. 185.
amphibola (Mass.) Karst. M. 418. MV. 1388.

Typhula Fr. (Hymen.)
candida Fr. M. 437.
f. Equiseti M. 437,
filiformis (Bull.) Fr. M. 437.
gyrans (Batsch.) Fr. MS. 68.
variabilis Riess. FV.v. 210.

U

Uncinula Lév. (Pyren.)
adunca (Lk.) Lév. MS. 91.
var. Salicum (Rabh.) MS. 91. MV. 890.
var. Populorum (Rabh.) MS. 91. MV. 615.
bicornis (Lk.) Lév. MS. 91. MV. 146.
Bivonæ Lév. MS. 209. MV. 617.
Wallrothii Lév. FV.v. 173. MV. 616.

Uredo Pers. (Hypod.)
Ægopodii Str. MS. 80.
Anthyllidis Grev. MS. 86.
Agrimoniæ Eupatorii DC. MS. 207. (Coleospor. ochrac.)
f. Agr. Eupatorii MV. 40.
f. Agr. odorat. MV. 879.
Behenis DC. MS. 80.
Caprææarum DC. MS. 77.
Cichoracearum DC. MS. 80.
Cyani DC. MS. 80.
Cirsii DC. MS. 81.
Clinopodii Rabh. MS. 82.
Convolvuli Str. MS. 83.
confluens DC. M. 503.
Euphorbiæ Helioscopiæ Pers. MS. 78.
Erythronii DC. MS. 87.
Ficariæ A.S. MS. 85.
Fabæ DC. MS. 86.
Fici Cast. M. 438. MV. 1326.
Gentianæ DC. MS. 82.
gyrosa Rebent. M. 11.
linearis Pers. MS. 84.
Leguminosarum v. Viciarum Rabh. MS. 86.
mixta DC. MS. 77.
Menthæ Pers. MS. 82.
miniata Pers. MV. 378. MS. 75. (Coleosp.)
Poterii Rbh. MS. 78.
Potentillarum DC. MS. 78.
Podagrariæ Poll. MS. 80.
Polygonorum Fckl. MS. 83.
Pseudocyperi Rbh. MS. 83.
Polygoni avicularis A.S. MS. 86.
Quercus Brond. M. 11. MV. 880.
Ruborum DC. p. p. MS. 79.
var. epiphylla MV. 118.
Rosæ Pers. MS. 79.
Rhododendri DC. MS. 80. MV 431.
Rubigo-vera CC. MS. 83.
Rumicum DC. MS. 87.
suaveolens Pers. MS. 81.
scutellata Pers. MS. 87.
Symphyti DC. MV. 41. MS. 76. (Coleosp.).
Thesii Dub. MS. 82.
Trifolii DC. MS. 86.
Umbelliferarum Spr. MS. 80.
Vitellinæ DC. MS. 77.
Violarum DC. MS. 79.
Vincæ DC. MS. 82.

Urocystis Rabh. (Hydop.)
Anemones (Pers.) Rabh. M. 8. *V.* Polycystis.
pompholygodes (Schlechtd.) Fck. MS. 74. *V.* Polycystis.
Violæ (Sow.) Fisch. M. 438. MV. 1317. *V.* Polycystis.

Uromyces Tul. (Hypod.)
Astragali (Opiz.) Sacc. MS. 208 (U. punctatus Schröt.)
Aconiti Fckl. FV.v. 170. MV. 65.
Anthyllidis (Grev.) Schröt. M. 241. MV. 1141.
Behenis (DC.) Lév. FV.v. 170.

f. Silenes inflat. MV. 436.
f. Lychnidis vespert. MV. 866.
f. Silenes nutantis MV. 1316.
Chenopodii Thm. M. 454.
Chamæsyces Sacc. *V.* U. proëminens.
Dactylis Otth. MS. 208. MV. 437.
Dianthi (Pers.) Béreng. FV.v. 170. MV. 441. (rectius U. caryophyllinus (Schranck.) Schröt.)
Ervi West. FV.v. 171.
Erythronii (DC.) Niessl. MS. 87 (st. hymen. et teleut.) MV. 63 (II. edit.)
stat. teleut. MV. MV. 875.
Ficariæ (A. S.) Fckl. MS. 85. M. 503.
Fabæ (DC.) DBy. MS. 86. MV. 440. M. 549 (rectius U. Viciæ Fabæ (Pers.) Schröt.)
fraternus Lasc. MS. 87. *V.* Rumicum.
Genistæ (Str.) Fck. MS. 86.
Geranii Otth. et W. FV.v. 170.
Junci (Str.) Tul. FV.v. 171. MV. 438.
f. J. obtusiflori MV. 1261.
Laburni (DC.) Fckl. MS. M. 549.
f. Cytisi Laburni MV. 136.
f. Coluteæ arborescentis MV. 1315.
f. Cytisi nigresc. MV. 868.
f. Genistæ tinct. MV. 869.
Lupini Bk. MS. 208. FV.i. 274. MV. 61.
Liliacearum Ung. M. 364.
Lathyri Fckl. MS. 208.
f. L. latifolii MV. 135.
f. L. pratensis MV. 871.
f. L. sylvestris MV. 870.
Muscari Lév. M. 503-541.
Medicaginis Sacc. FV. 210. *V.* U. striatus.
Orobi Schum. MS. 208. MV. 137.
Ononidis Pass. FV.v. 171.
Phaseolorum (Wallr.) DBy. MS. 85. MV. 134.
f. Dolichi MV. 874.
Pisi (DC.) DBy. MS. 85. MV. 1139-1140.
Polygoni avicularis (A.S.) Fckl. MS. 86. MV. 138.
puccinioides Rabh. FV.v. 170. *V.* U. Geranii.
Primulæ integrifoliæ (DC.) Niessl. FV.v. 170.
var. Primulæ minimæ FV.v. 170. MV. 433.
Phyteumatum (DC.) Lév. M. 8.
proëminens (Duby.) Pass. Nuove Rugg. p. 13. fig. 13-15 (U. Chamæsycis.)
Rumicum (DC.) Fckl. MS. 87.
Silenes (Schlechtd.) Fckl. MS. 85. *V.* U. Behenis.
scutellatus (Pers.) Sacc. MS. 87. FV.v. 171. M. 8.
striatus Schröt. FV.v. 210. MV. 62.
Trifolii (DC.) Fckl. MS. 86.
f. T. repentis MV. 442 (teleut. perfec. 872).
f. T. pratensis MV. 873.
f. Loti corniculati MV. 432.
tuberculatus Fckl. M. 8. MS. 87 (ex err. scutellatus).
Viciæ (Op.) Fckl. MS. 86.
Valerianæ Fckl. MS. 208.
f. V. Tripteridis MV. 435.
Verbasci Niessl. FV.v. 170.
Veratri (DC.) Schröt. FV.v. 171.

Ustilago Lk. (Hypod.)
Candollei Tul. MS. 73. MV. 1318.
Caricis (Pers.) Fuck. MS. 73. MV. 839. M. 549.
destruens (Dub.) Schlechtd. MS. 74.
destruens Dub. v. *Digitariæ*. *V.* U. Rabenhorstiana.
Ischæmi Fckl. FV.v. 167. MV. 375.
Luzulæ Sacc. MS. 73.
longissima (Sow.) Tul. FV.v. 167. MV. 374.
Maydis (DC.) Tul. MS. 74. MV. 110.
Rudolphi Tul. MS. 74.
Reiliana Kühn. FV.v. 167. MV. 425.
Rabenhorstiana J. Kühn. M. 7. FV. v. 167.
receptaculorum (DC.) Fr. MS. 73. M. 453.
segetum (Pers.) Ditm. MS. 74. M. 539.
f. Avenæ MV. 1152
violacea (Pers.) Tul. FV.v. 167. MV. 427.
utriculosa (Cda.) Tul. M. 7. MV. 838.

Ustulina Tul. (Pyren.)
vulgaris Tul. MS. 153. M. 371. MV. 255. M. 507.

Valsa Fr. (Pyren.)
Ailanthi Sacc. *V.* Eutypella.
(Euv.) Abietis Fr. FV.iv. 16. MV. 184.
(Euv.) accedens Sacc. FV.v. 179.
(Leuc.) Auerswaldii Nke. FV.v. 180. MV. 765.

aneirina (Somm.) Sacc. *V.* Eutypa.
(Euv.) affinis Nke. M. 21.
arundinacea Sacc. *V.* Eutypa.
(Euv.) ambiens (Pers.) Fr. MS. 131. M. 504.
f. Aceris MV. 754.
f. Alni MV. 756.
f. Celtidis MV. 936.
f. Corni albæ MV. M. 755.
f. Coryli MV. 758.
f. Juniperi MV. 757.
f. Mali MV. 178.
f. Oxyacanthæ MV. 179.
f. Salicis, major MV. 752.
f. Salicis, minor MV. 753.
f. Ulmi MV. 177.
aspera Nke. *V.* Eutypa.
cerviculata Fr. *V.* Eutypella.
(Euv.) capistraria DNtrs. MS. 132.
(Euv.) Curreyi Nke. FV.iv. 17.
(Euv.) Cypri Tul. FV.iv. 17.
(Euv.) coacta Sacc. M. 20.
(Euv.) ceratophora Tul. MS. 133. M. 19. Cfr. M. 354.
f. Castaneæ MV. 183.
f. Rosarum DNtrs. MS. 133.
f. Rhois MV. 937.
f. Quercus, major MV. 181.
f. Quercus, minor MV. 182.
(Euv.) decorticans Fr. Nke. FV.iv. 17.
eutypa (Ach.) Nke. *V.* Eutypa Acharii.
extensa Fr. *V.* Eutypella.
fenestrata Berk. et Br. *V.* Fenestella.
(Euv.) Fuckelii Nke. MS. 132. MV. 748.
(Euv.) fallax Nke. MS. 133.
f. minor MV. 746.
f. major MV. 747.
grandis Nke. *V.* Eutypella.
(Euv.) Hoffmannii Nke. MS. 132. M. 504.
heteracantha Sacc. *V.* Eutypa.
lata (Pers.) Nke *V.* Eutypa.
leucostroma Mtgn. *V.* Eutypa.
(Euv.) Laurocerasi Tul. MV. 761.
(Leuc.) leucostoma (P.) Fr. MS. 134.
f. Cerasi MV. 195.
ludibunda Sacc. *V.* Eutypa.
millepunctata (Grev.) Nke. *V.* Cryptosphæria.
(Euv.) mediterranea DNtrs. FV.v. 179.
(Euv.) microstoma (Pers.) Fr. FV.v. 179. MV. 761.
(Leuc.) nivea (Hoffm.) Fr. MS. 134. FI. 426.
Persoonii Nke. *V.* Valsa leucostoma.
(Euv.) pustulata Awd. FV.iv. 17.
(Euv.) Pini (A. S.) Fr. FV.v. 179.
(Euv.) punica S. et S. M. 367. FI. 403.
Prunastri (Pers.) Fr. *V.* Eutypella.
(Euv.) Rubi Fckl. MS. 133. MV. 745.
(Euv.) Rosarum DNtrs. MV. 744.
referciens Nke. *V.* Eutypa ludibunda.
scabrosa (Bull.) Nke. *V.* Eutypa.
(Euv.) sordida Nke. MS. 132. MV. 185.
stat. sperm. MV. 762.
(Euv.) Syringæ Nke. FV.iv. 17.
(Euv.) stenopora Tul. FV.v. 179. MV. 750-751.
(Euv.) Schweinizii Nke. M. 20.
(Euv.) Spegazziniana Sacc. M. 20. MV. 749.
Sorbi (Schmidt.) Fr. *V.* Eutypella.
(Euv.) salicina (Pers.) Fr. MS. 132. M. 504.
f. S. babylonicæ MV. 759.
stat. sperm. MV. 760.
f. tetraspora MV. 188.
f. viminea MV. 189.
subtecta (Fr.) Nke. *V.* Eutypa.
(Leuc.) translucens DNtrs. MS. 134 MV. 187.
(Euv.) Vitis (Schw.) Fuck. MS. 133. M. 19. MV. 180.
(Euv.) Verrucula Nke. Sacc. FV.iv. 16. MV. 743.
velutina (Wallr.) Sacc. *V.* Eutypa.

Valsaria C. et DNtrs. (Pyren.)
anthostomoides Sacc. FV.iv. 18. M. 99. FI. 152.
anserina (Pers.) Sacc. FV.iv. 19.
cariei Sacc. FV.iv. 19. M. 99. FI. 151.
donacina (Fr.) Ces. et Ntrs. MS. 149.
insitiva (Tode) Ces. et DNtrs. MS. 148. M. 31-509. FV.iv. 20.
f. Fraxini Orni MV. 244.
f. Carpini Betuli MV. 1185.
f. Gleditschiæ MV. 238.
f. Mori MV. 242.
f. Paliuri MV. 240.
f. Quercus MV. 241.
f. Robiniæ MV. 243.
f. Ulmi MV. 239.

rubricosa (Fr.) Sacc. FV.v. 183. MV. 690. FI. 640. M. 509.
Saccardiana Speg. M. 393. FI. 401.

Variolaria Bull. (Pyren.)
Melogramma Bull. MS. 147. *V.* Melogramma vagans.

Velutaria Fckl. (Discom.)
æruginosa S. et S. M. 443.
rufo-olivacea (A. S.) Fckl. M. 443.

Venturia DNtrs. p. p. (Pyren.)
alpina Sacc. FV.iv. 3. FI. 353.
Alchemillæ (Grev.) B. et Br. FV.v. 174. FI. 422. MV. 695.
chlorospora (Ces.) Karst. M. 33-382. FI. 349. MV. 910.
var. microcarpa FI. 350.
circinans (Fr.) Sacc. M. 499. FI. 639.
ditricha (Fr.) Karst. M. 34.
glomerata Cke. M. 507.
Kunzei Sacc. FV.v. 174. MV. 696.
ilicifolia Cke. M. 382.
montellica Sacc. FV.iv. 2. FI. 351.
nobilis Sacc. FV.iv. 174. FI. 352.
Potentillæ (Sow.) Sacc. FI. 348. MV. 694.
Spegazziniana Cke. M. 440. FI. 423. MV. 1360.

Vermicularia Tode (Sphærops.)
atramentaria B. et Br. FV.v. 199. MV. 557. M. 532.
circinans Berk. FV.v. 199. MV. 556.
Dematium (Pers.) Fr. MS. 191. MV. 977. M. 532.
Eryngii (Cda.) Fckl. MS. 191.
herbarum West. M. 359-532.
Liliacearum West. FV.v. 198. M. 532.
f. Hemerocallidis MV. 306.
f. Lilii MV. 305.
trichella Fr. MS. 191. MV. 1300. FV.v. 199. M. 532.
var. pomona Sacc. FV.v. 199. MV. 976.

Verpa Sw. (Discom.)
digitaliformis Pers. MS. 169.

Verticillium Nees. (Hyphom.)
apicale B. et Br. MS. 186.
Candelabrum Bon. FV.v. 194. MV. 576.
capitatum Ehrbg. FV.v. 194.
epimyces B. et Br. MS. 186.
lateritium (Ehrh.) Rabh. MS. 186.
pyramidale Bon. FV.v. 194.
Volutella Tode (Hyphom.)
Buxi (Deb.) Bk. MV. 697 (cum Nectriella Rousseliana.)
ciliata (A. S.) Fr. FV.v. 198.

Winteria Sacc. (Pyren.)
† pulchra (Wint.) Sacc. M. 281.

Zasmidium Fr. (Pyren.?)
cellare (Scop.) Fr. MS. 92. MV. 1242.

Zignoella Sacc. (Pyren.)
† aterrima Fck. M. 346.
† atriella Cke. et Ellis. M. 346.
† conica Fck. M. 346.
Campi Silii Sacc. M. 346.
† cariosa Cke. M. 346.
† collabens Curr. M. 346.
† corticola Fck. M. 346.
† cryptarum Fck. M. 347.
† corticivora Rm. M. 347.
† diaphana Cke. et Ell. M. 346.
dubia Sacc. M. 346.
dolichospora Sacc. M. 401. FI. 342. MV. 1359.
† emergens Karst. 346.
† excellens Rm. M. 347.
† improvisa Karst. M. 346.
† lichenoides Rhm. M. 347.
† melanostigma Cke. et Ell. M. 346.
macrospora Sacc. M. 346.
† Morthieri Fckl. M. 347.
nematasca S. et S. M. 401. FI. 343.
† ordinata Fr. M. 346.
ovoidea Fr. M. 346.
Pulviscula Curr. M. 346.
† pygmæa Karst. M. 346.
† pusilla Cke. M. 346.
† papillata Fckl. M. 346.
† rhytidodes B. et Br. M. 346.
† rhodobapha B. et Br. M. 247.
† subferruginea Fckl. M. 346.

Zygodesmus Cda. (Hyphom.)
fuscus Cda. MS. 182.

Xylaria Pers. (Pyren.)
Arbuscula Sacc. MV. 1192. FI. 583. M. 249.
digitata (Ehrh.) Grev. MS. 155.
filiformis (A. S.) Fr. FV.v. 184. Fl. 584. M. 24-497. FV.v. 184. (Thamn.)
Hypoxylon (Ehrh.) Grev. MS. 154. MV. 256. FI. 582.
polymorpha (Pers.) Grev. MS. 154. MV. 257.

*acrodactyla Nke. FI. 580.
*spathulata Nke FI. 581.

Xylographa Fr. (Discom.)

parallela Fr. FV.v. 184.

Xylostroma Tode (Mycol.)
Corium Pers. MS. 204.

Species fungorum Venetæ, in Repertorio enumeratæ, sunt 3439; varietates vero 598.

NB. Lector, quærens in Repertorio nomina fungorum generica v. specifica, admonetur eadem sibi late et patienter inquirenda esse, nam nominum dispositio a recto ordine alphabetico nonnumquam desciscat.

Corrigenda

Pag. 454. n. 8. Cydarissiæ *lege*: Cyparissiæ.
» 465 l. 6 confusi » confudi.
» 492 n. 561 » 461.
» 495 post n. 526. *adde:* 527. *Cucurbitaria Laburni* (Pers.) Fr., Sacc. MV.121.
» 495. n. 521 *lege*: 531.
» » l. 19 n. 535 » 534.
» 496 l. 9 n. 557. *deleatur tota lineá.*
» 497 l. 11 n. 582. *lege*: 531.
» 505 ad n. 61 *cita:* Roumeg. F. Gall. exs. n. 473.
» 527 ad n. 271 *adde:* **B.**
» 527 l. 34 Ulmariæ S. *lege:* Ulmariæ Oudem.
» 528 ad n. 278. *cita:* Roumeg. F. Gall. exs. n. 417.
» 535 l. 14 ad n. 334. loco Robiniæ *à Lyon lege:* Rhamni *à Lyon*, sed verisimiliter ex alpibus Juranis provenientium.
» 553 l. 24 Emendotiones, *lege:* Emendationes.
» 553 l. 25 hac » hoc.
» 558 c. II. l. 5 Croran » Crouan.
» 559 c. I. l. 13 Phlomoidis » phomoides.
» 563 c. II. l. 88. MV. » M.
» 567 c. II. i. 9 Gay » Gray.

Pag. 568 c. I. l. 12 Ramunculi » Ranunculi
» 569 c. II. l. 18 M. 546. » M. 542.
» 570 c. I. post. l. 39 *adde* speciem: syngenesia (Fr.) Nke M. 508.
» 576 c. I. l. 26 Mtgn. *lege*: Magn.
» 576 c. I. l. antipæn. Brugnansiæ, *lege:* Brugmansiæ.
» 576. c. II. l. 10. circinans, *lege: circinans* Fckl. *V.* Glœosp. Populi albæ,
» 576 c. II. l. 13. Tumulæ, *lege:* Tremulæ.
» 577 c. I. post. l. 8 *adde* speciem: bifrons (DC.) Awd. M. 549.
» 580 c. I. l. 24 caccineus, *lege:* coccineus.
» 580 c. II. l. 25 † rigens, *dele* crucem.
» 581 c. II. l. 48. Wahl. MS. *lege:* MS.
» 582 c. II. l. 3 albo-rasella *lege*: albo-rosella.
» 584 c. II. l. 29 Pamona, *lege:* Pomona
» 585 c. I. l. 6 Cibostii, *lege:* Michotii.
» 586. c. I. l. 4. *adde*: *V.* Lophidium.
» 598 c. I. l. 17 Rabk. *lege:* Rabh.
» 598. c. I. l. 20. Wert. *lege*: West.
» 602 c. II. 33 suaveolens *lege:* suaveolens.
» 602 c. II. l. pænult. Teraxaci, *lege:* Taraxaci.
» 605 c. I. l. 31 *dele:* MV. 555 (Stigmella)
» 605 c. I. l. 32 M. 287 *lege:* M. 487.
» 612 c. I. l. 45 'Spallidula, *lege:* pallidula.
» 612 c. I. l. 47 Fragrariæ, *lege:* Fragariæ.

Padova 1879, Tip. del Seminario.

P. A. SACCARDO

GENERA PYRENOMYCETUM HYPOCREACEORUM

hucusque cognita systemate carpologico digesta (1)

Fam. HYPOCREACEAE *DNtrs.*

(*Osserv. in G. B. ital. II.* 48. *Sacc. Gen. Pyr.* 18).

Fungi peritheciophori ascigeri, simplices v. *compositi. Perithecia subcarnosa* v. *ceraceo-membranacea, laeticoloria* (*plerumque rubentia, rarius cyanea, flava, olivacea* v. *pallida*) *numquam carbonacea; ostiolo subcentrali rotundo dehiscentia. Stroma, ubi adest, carnoso-ceraceum, rarius byssinum. Asci* 4-8-*plejospori, saepius* 8-*spori. Sporidia plerumque hyalina, rarius fusca. Status secundarii in plerisque cogniti* (*Spermogonia, Pycnidia, Conidiophora*).

Sect. 1. HYALOSPORAE *Sacc. Gen. Pyr.* 18.

Sporidia ovoidea v. *suboblonga, continua, hyalina.*

† Simplices.

a. Superficiales.

* Perithecia conoidea v. subglobosa, ostiolo brevicolli.

§ **Asci octospori.**

1. Nectriella *Sacc. Michelia I.* 51 (*non Fckl.*). *Perithecia Nectriae* (*cfr. n.* 13). *Asci cylindracei. Sporidia ovoidea* v. *oblonga, absolute continua, hyalina. Stat. secundarii:* Verticillium, Volutella, Tubercularia, Psilo-

(1) Excerpta ex mea « Enumeratione Pyrenomycetum Hypocreaceorum hucusque cognitorum, systemate carpologico dispositorum » in fasciculo III *Micheliae* proxime evulganda

nia. — *Exempla:* N. Rousseliana (*Mtgn.*) *Sacc.*, N. miltina (*Mtgn.*) *Sacc.* — *Species notae* 18.

§§ **Asci polyspori.**

2. Chilonectria *Sacc. n. g. Perithecia Nectriae. Asci cylindraceo-clavati,* v. *oblongi, polyspori. Sporidia exigua ovoidea* v. *botuliformia, continua, hyalina.* — *Ex.* C. myriospora (*Cr.*), C. Rosellinii (*Carest.*), C. sulphurella (*DNtrs.*), C. Cucurbitula (*Curr.*) — *Species notae* 4.

⁂ **Perithecia ostiolo longicolli subulato.**

3. Eleutheromyces *Fckl. Symb.* 183. *Perithecia subglobosa, in ostiolum cylindraceo-subulatum producta subdiaphana. Asci cylindraceo-fusoidei. Sporidia ovato-cylindracea, utrinque setulâ aucta, continua, hyalina. Status conidicus:* Isaria. — *Ex.* E. subulatus (*Tode*) *Fckl.* — *Spec. nota* 1.

b. Immersae.

4. Hyponectria *Sacc. Michelia II.* 250. *Perithecia simplicia, tecta, contextu nectriaceo molli laxe parenchymatico. Asci octospori. Sporidia ovoidea* v. *oblonga, continua, hyalina.* — *Ex.* H. Buxi (*DC.*) — *Spec.* 1.

†† **Stromaticae.**

5. Monographos *Fckl. Symb. App. III.* 24. *Stroma sub epidermide nigrificata lirelliforme, diaphanum; loculi plerumque* 1-*seriales, majusculi, candidi. Asci octospori. Sporidia fusoidea* v. *elongata, continua, hyalina.* — *Ex.* M. Aspidiorum (*Lib.*) *Fckl.* — *Spec.* 1.

6. Winteria *Sacc. Hypocreopsis Wint. Hedw.* 1875, *p.* 26 (*non Karst.*). *Stroma verruciforme, rubrum, villosulum. Perithecia immersa. Asci ventricosi* 4-8-*spori. Sporidia late ellipsoidea, continua, hyalina.* — *Ex.* W. pulchra (*Wint.*) — *Spec.* 1.

7. Polystigma *Pers. ap. Moug. & Nest. n.* 270. *Stroma subcarnosum, effusum, parenchymati foliorum innatum, ochraceum, fulvum* v. *rubrum. Perithecia immersa. Asci* 8-*spori. Sporidia ovoidea, continua. Spermogonium:* Libertella. — *Ex.* P. rubrum (*Pers.*) *DC.*, P. ochraceum (*Wahl.*) *Sacc.* — *Spec.* 2.

Sect. 2. PHAEOSPORAE. *Sacc.*

Sporidia ovoidea v. *suboblonga continua, fusca.*

† **Asci 4-8-spori.**

8. Sphaeroderma *Fckl. Symb. App. III.* 23. *Perithecia in subiculo effuso arachnoideo sublibere insidentia, globulosa, hyalina, dein fusca. Asci tetraspori. Sporidia maxima, ellipsoidea, continua, fusca.* — *Ex.* S. theleboloides *Fckl.* — *Spec.* 1.

9. Melanospora *Cda, Ic. Fung. I.* 24. *Perithecia simplicia, mollia, diaphana, ostiolo subulato-rostrato, apice saepius penicillato. Asci* 8-*spori. Sporidia ellipsoidea, continua, fusca.* — *Ex.* M. chionea (*Fr.*) *Cda*, M. vervecina (*Dmz.*) *Bk.* — *Spec.* 12.

†† **Asci polyspori.**

10. Scopinella *Lév. in Dict. Hist. nat.* 126. *Perithecia Melanosporae. Asci polyspori. Sporidia minuta, subcuboidea.* — *Ex.* S. barbata (*Pers.*) *Lév.* — *Spec.* 1.

Sect. 3. DIDYMOSPORAE *Sacc. Gen. Pyr.* 18.

Sporidia didyma hyalina v. *dilute colorata.*

† **Perithecia stromate proprio destituta** *v.* **in eo non immersa.**

⋆ **Perithecia matrice immersa.**

a. Perithecia bysso nullo complexa.

11. Passerinula *Sacc. in Grev. IV.* 21. *Perithecia bysso nullo complexa, pallida, ceracea, pyrenomycetibus majoribus parasitice immersa, ostiolis longicollibus exertis. Asci* 8-*spori. Sporidia ovoidea* 1-*septata, pallide fusca.* — *Ex.* P. candida *Sacc.* — *Spec.* 1.

b. Perithecia bysso (stromatico) connexa.

12. Hypomyces *Fr.* (*ut subg.*) *Summa* 382. *Perithecia stromate byssino effuso connexa, Hymenomycetibus* v. *Discomycetibus plerumque parasitice immersa, laeticoloria, ostiolis abbreviatis. Asci* 8-*spori. Sporidia oblonga typice* 1-*septata, hyalina. Stat. conidiop et chlamisdosp:* Sepedonium, Mycogone, Asterophora, Trichothecium, &c. — *Ex.* H. lateritius (*Fr.*) *Tul.* — *Spec.* 27.

** Perithecia in matrice *v.* in stromate subsuperficialia.

A. **Perithecii contextus ruber** *v.* **flavicans.**

§ Asci octospori (in *Nectria pityrode* Mtgn. 4-spori.)

13. Nectria *Fr. Summa* 387. *Perithecia erumpenti-superficialia,* v. *superficialia, caespitosa,* v. *discreta, saepe stromate pulvinato primitus conidiophoro insidentia, rosea* v. *laete colorata, molliuscula. Asci cylindracei* v. *fusoidei, initio infra apicem coarctati. Sporidia ellipsoidea* v. *oblonga,* 1-*septata, hyalina, loculis typice non secedentibus. St. conid.:* Tubercularia, Illosporium. — *Ex.* N. cinnabarina (*Tode*) *Fr.,* N. sinopica *Fr.* — *Spec.* 88.

14. Sphaerostilbe *Tul. Carp. III.* 103. *Perithecia asci et sporidia Nectriae, sed perithecia in consortio* v. *in basi fungilli conidiophori* (Stilbi, Atractii, Microcerae) *oriunda.* — *Ex.* S. hyalina *Fckl.,* S. flammea (*Bk.*) *Tul.* — *Spec.* 15.

§§ Asci plejospori.

15. Metanectria *Sacc. nov. gen. Perithecia Nectriae. Asci cy-*

lyndracco-fusoidei, pleiospori. Sporidia oblonga 1*-septata, hyalina.* — *Ex.* M. Citrum. (*Wallr.*) *Sacc.* — *Spec.* 1.

B. **Perithecii contextus cyaneus** *v.* **violaceus.**

16. Lisea *Sacc. Michelia I.* 42-43. *Perithecia superficialia, gregaria, dispersa* v. *coacervata, globulosa, collabescendo rugulosa; contextu molliusculo parenchymatico, amoene cyaneo* v. *violaceo. Asci octospori. Sporidia didyma, subhyalina. St. conid.:* Fusarium. — *Ex.* L. nemorosa *Sacc.* — *Spec.* 3.

†† Perithecia stromate proprio (dothideaceo) immersa.

a. Sporidiorum articuli secedentes.

17. Hypocrea *Fr. Summa* 383 *p. p. Stroma carnosum variicolor, pulvinatum* v. *effusum, superficiale* (*rarissime fere pelliculosum*). *Asci cilindracei. Sporidia octona, bilocularia, hyalina* v. *olivacea, loculis mox secedentibus, uti sporidia* 16 *simulent. St. conid. in multis notus.* — *Ex.* H. rufa (*Pers.*) *Fr.*, H. citrina (*Pers.*) *Fr.* — *Spec.* 64.

b. Sporidiorum articuli non secedentes.

18. Hypocreopsis *Karst. Fenn. II.* 221-251, *non Wint. Stroma suberoso-carnosum, effusum, lobatum. Perithecia immersa. Asci octospori. Sporidia ellipsoidea,* 1*-septata, loculis non secedentibus.* — *Ex.* H. riccioidea (*Bolt.*) *Karst.* — *Spec.* 1.

Sect. 4. PHRAGMOSPORAE *Sacc. Gen. Pyr. p.* 19.

Sporidia oblonga v. *fusoidea, 2-pluriseptata, hyalina.*

† Superficiales.

A. **Perithecii contextus ruber** *v.* **flavicans.**

19. Calonectria *DNtrs. in Comm. Critt. ital. II.* 477. *Perithecia et asci Nectriae. Sporidia octona, fusoidea, 2-pluriseptata, hyalina. Status secundarii in nonnullis cogniti.* — *Ex.* C. Daldiniana *DNtrs.*, C. macrospora *Sacc.* & *Sp.* — *Spec.* 47.

20. Paranectria *Sacc. n. gen. Perithecia et asci Nectriae. Sporidia cylindraceo-sigmoidea, utrinque setigera, 3-septata, hyalina.* — *Ex.* P. affinis (*Grev.*) *Sacc.* — *Spec.* 1.

B. **Perithecii contextus cyaneus** *v.* **violaceus.**

21. Gibberella *Sacc. Michelia I.* 43. *Perithecia et asci Liseae. Sporidia ex ovoideo fusoidea 3-pluriseptata, subhyalina. St. conid.:* Fusarium. — *Ex.* G. pulicaris (*Fr.*) — *Spec.* 3.

†† **Ligno immersae (endoxylae).**

22. Cesatiella *Sacc. Michelia II.* 250. *Perithecia ligno immersa, molliuscula, succinea, stromate obsoleto limitata, globosa, papillulata. Asci octospori. Sporidia fusoidea (falcata) pluriseptata, hyalina.* — *Ex.* C. australis *Sacc.* & *Sp.* — *Spec.* 1.

Sect. 5. SCOLICOSPORAE *Sacc. Gen. Pyr. p.* 20.

Sporidia filiformia v. *bacillaria, pluriseptata, raro continua, hyalina.*

† **Stromaticae.**

23. Claviceps *Tul. in Ann. Sc. Nat.* 1853 *p.* 43. *Stroma stipitatum, erectum e sclerotio oriundum, capitatum. Perithecia stromate immersa, non prominula. Asci octospori. Sporidia filiformia, continua, hyalina. Spermog. et conidia nota* (Sphacelia, Fasarium, *etc.*). — *Ex.* Cl. purpurea (*Fr.*) *Tul.* — *Spec.* 4.

24. Cordyceps *Fr. Summa* 381. *p. p. Torrubia Lév., Tul., Sacc. Consp. g. Pyr. Ital.* 20. *Stroma stipitatum, erectum*

saepius entomogenum v. *mycogenum, clavatum. Perithecia semiimmersa, hinc prominula, vel* (*in subgen.* Racemella *Ces.*) *sublibera. Asci octospori. Sporidia filiformia in articulos mox secedentia, hyalina. St. conid.* Isaria. — *Ex.* C. militaris (*L.*) *Lk.*, C. Hügelii *Cda.* — *Spec.* 32.

25. Epichloe *Fr.* (*ut subg.*) *Summa* 381. *Stroma sessile effusum primitus conidiophorum. Perithecia immersa, ostiolis vix prominulis. Asci octospori. Sporidia filiformia, pluriseptata, luteolo-hyalina.* — *Ex.* E. typhina (*Pers.*) *Tul.*, E. strangulans (*Mtgen.*) *Sacc.* — *Spec.* 4.

26. Hypocrella *Sacc. n. gen. Stroma et perithecia Hypocreae. Asci octospori. Sporidia filiformia.* — *Ex.* H. discoidea (*B.* & *Br.*). — *Spec.* 4.

†† Simplices.

27. Ophionectria *Sacc. n. gen. Perithecia Nectriae. Asci octospori. Sporidia filiformia multiseptata* v. *multiguttulata.* O. trichospora (*B.* & *Br.*) *Sacc.*, O. paludosa (*Cr.*) *Sacc.* — *Spec.* 3.

28. Barya *Fckl. Symb.* 93. *Perithecia carnosa subdiaphana, demum cornea, conica, acuta, hyphulis conidiophoris insidentia. Asci octospori. Sporidia bacillaria, continua, hyalina, ascum aequantia.* — *Ex.* B. parasitica *Fckl. Symb.* 93 (*inter Acrospermaceas*). — *Spec.* 1.

29. Oomyces *B.* & *Br. Ann. Nat. Hist. n.* 590 (1851). *Perithecia* (*pauca*) *sacculo communi* (*carneo*) *inclusa, verticalia carnosula, armeniaca. Asci lineares; sporidia octona filiformia, continua, hyalina.* — *Ex.* O. carneoalbus (*Lib.*) *B.* & *Br.* — *Spec.* 1. (*an.* 2?)

Obs. *Genus hoc, a me ipso nondum visum et a Berk., Cooke aliisque ad Hypocreaceas relatum, a Fuckel ducitur ad Acrospermaceas, dum De Notaris inter Discomycetes prope gen. Schmitzomiam* (*Stictidem*) *aptius collocandum censet.*

Sect. 6. DICTYOSPORAE *Sacc. Gen. Pyr. p.* 20.

Sporidia ovoidea v. *suboblonga, septato-muriformia, hyalina.*

† Superficiales, simplices *v.* caespitosae.

30. Pleonectria *Sacc. Fungi Ven. Ser. V.* 178. *Perithecia Nectriae. Asci octospori. Sporidia (matura) pluriseptato-muriformia, hyalina (saepius in eodem asco corpusculis spermatioideis intermixta).* — *Ex.* P. Lamyi (*Dmz.*) *Sacc.*, P. Berolinensis *Sacc.* — *Spec.* 3 (*an.* 4?)

†† Immersae stromaticae.

31. Thyronectria *Sacc. Grevillea IV.* 21. *Stroma valseum corticale tectum vix crumpens. Perithecia monosticha carnosula, rosea, extus flavofurfuracea, ostiolis brevissimis. Asci octospori, paraphysati. Sporidia oblonga initio cribrose guttulata, dein tenuiter septato-muriformia, hyalina.* — *Spermatia nota.* — *Ex.* T. patavina *Sacc.*, T. pyrrochlora (*Awd.*) *Sacc.* — *Spec.* 2.

Species Hypocreacearum in toto orbe hucusque notae circ. 350.

CONSPECTUS

GENERUM PYRENOMYCETUM ITALICORUM

systemate carpologico dispositorum

auctore P. A. SACCARDO

.... doversi nella distinzione dei generi e delle specie degli Sferiacei attribuire il primo valore ai caratteri che si possono trarre dalla forma e struttura dei loro sporidii.

De Notaris (1844).

Fam. 1. PERISPORIACEAE Fr.

Simplices. Perithecia membranacea, coriacea v. subcarbonacea, tota clausa, hinc astoma et irregulariter fissilia.

Sect. 1. HYALOSPORAE Sacc.

Sporidia globosa, ovoidea v. oblonga, continua, hyalina.

† Perithecia superficialia tenui-membranacea, globoso-lenticularia. Asci globosi v. ovoidei, 2-8-spori.

* Perithecia radiatim appendiculata. Status conidicus *Oidium* sistens.

a. Perithecia monoasca.

1. Podosphaera *Kze., Lév.* Appendices perithecii paucae, apice pluries refracto-dichotomae.
   Exempla: *P. Kunzei* Lév., *P. clandestina* (Fr.) Lév.
2. Sphaerotheca *Lév.* Appendices perithecii numerosae, simplices, byphoideae.
   Ex. *S. pannosa* (Schlechtd.) Lév., *S. Castagnei* Lév.

b. Perithecia polyasca.

3. Phyllactinia *Lév.* Appendices perithecii simplices, rectae, rigidulae, basi inflatae, sursum acutae. Asci 2-spori.
   Ex. *Ph. guttata* (Fr.) Lév.
4. Uncinula *Lév.* Appendices simplices v. bifidae, uncinatae. Asci 2-8-spori.
   Ex. *U. adunca* (Lk.) Lév., *U. bicornis* (Lk.) Lév.
5. Microsphaera *Lév.*, (Calocadia *Lév.*, olim.) Appendices paucae apice pluries refracto-dichotomae. Asci 4-8-spori.
   Ex. *M. penicillata* (Lk.) Lév., *M. Astragali* (DC.) Trev.
6. Erysiphe *Hedw.* p. p. *Lév.* Appendices numerosae, simplices, hyphoideae. Asci 2-8 spori.
   Ex. *E. Martii* Lév., *E. communis* Schlechtd.

** Perithecia exappendiculata. Status conidicus *Aspergillum* sistens.

7. Eurotium *Lk.* Perithecia colorata, exappendiculata, hyphis mucedineis, conidiophoris (*Aspergilli*) insidentia. Asci plures, 8spori.
   Ex. *E. herbariorum* Lk.

†† Perithecia erumpentia carnoso-coriacea, sphaeroidea, vertice collabescenti-concava. Asci cylindracei, 8spori.

8. Lasiobotrys *Kze. et S.* — Conidia ignota; spermatia nota.
   Ex. *L. Lonicerae* Kze et S.

††† Perithecia superficialia, dura, subcarbonacea, sphaeroidea v. conica. Asci globosi v. ovoidei, octo-polyspori.

9. Apiosporium *Wallr.*, *Fckl.* Status conidicus torulaceus.
   Ex. *A. Rhododendri* Fckl., *A. stygium* Wallr.

Sect. 2. PHAEOSPORAE Sacc.

Sporidia ovoidea, continua, fuliginea.

10. Chaetomium *Kze.* Perithecia setoso-comata, superficialia. Asci 8spori. Sporidia subglobosa v. ovoidea, fusca. Conidia cognita.
    Ex. *Ch. comatum* (Tod.) Sacc., *Ch. Fieberi* Cda.

Sect. 3. DIDYMOSPORAE Sacc.

Sporidia oblonga, 1-septata, hyalina.

11. Dimerosporium *Fckl.* Asci ovoidei, 8spori. Sporidia 1-septata, hyalina. Status conidicus peritheciis ascophoris adsociatus.
Ex. *Dimerosporium abjectum* (Wallr.) Fckl., *D. pulchrum* Sacc.

Sect. 4. PHRAGMOSPORAE Sacc.

Sporidia oblongo-cylindracea, quadrilocularia, fuliginea, articuli cito secedentes et tunc asci simulate polyspori, qui vere 8spori sunt.

12. Perisporium *Fr.* (Preussia *Fckl.*) — Conidia in *P. laeve* Awd. nota ex Fckl.
Ex. *P. vulgare* Cda., *P. Typharum* Sacc.

Fam. 2. SPHAERIACEAE Fr. p. p., Ces. et DNtrs.

Semplices v. compositae. Perithecia membranacea, coriacea, v. carbonacea a stromatis substantia (ubi stroma adest) heterogenea, nigricantia, ostiolo rotundo v. compresso dehiscentia.

Sect. 1. ALLANTOSPORAE Sacc.

Sporidia continua, cylindrica, curvata (botuliformia) utrinque obtusiuscula, hyalina v. luteola v. subolivacea.

† Simplices v. caespitosae.

13. Enchnoa *Fr.* Perithecia tecta, strigoso-pilosa. Asci 8spori.
Ex. *E. infernalis* (Kze) Nke., *E. lanata* Fr.

14. Coelosphaeria *Sacc.* (Nitschkia *Otth*). Perithecia erumpenti-superficialia, acervata, glabra, senio collabescendo cupuliformia. Asci 8spori.
Ex. *Coelospaeria Fuckelii* (Nke) Sacc., *C. tristis* (Pers.) Sacc.

15. Fracchiaea *Sacc.* Perithecia erumpenti-superficialia, caespitosa v. subsparsa, glabra, numquam cupuliformia. Asci polyspori — Spermatia nota.

Ex. *F. heterogenea* Sacc., *F. callista* (B. B.) Sacc.

†† Compositae, stromaticae.

16. Calosphaeria *Tul.* Perithecia sub peridermio relaxato sublibera in soros valseos congregata, rarius discreta, ostiolo elongato, raro brevi. Asci 8spori, spurie et longe paraphysati. — Spermatia nota.

Ex. *C. Princeps* Tul., *C. Wahlenbergii* (Desm.) Nke.

17. Coronophora *Fckl.* Perithecia ut praecedentis sed erostrata. Asci polyspori, spurie paraphysati.

Ex. *C. gregaria* (Lib.) Fckl.

18. Quaternaria *Tul.* Perithecia quaternata v. pauca in circulum disposita, nigrolimitata, peridermio tecta. Asci 8spori, stipitati, aparaphysati. Spermogonia *Libertellae* species sistentia.

Ex. *Q. Persoonii* Tul., *Q. dissepta* (Fr.) Tul.

19. Valsa *Fr. em.* Perithecia cortice immersa, in circulum simplicem (circinantia) v. compositum (monosticha) disposita, stratoque unico neque polysticha, ostiolis centro convergentibus, erumpentibus et discum efformantibus. Asci 4-8spori, aparaphysati. — Spermogonia *Cytisporas* sistentia.

Subg. 1. *Euvalsa* Nke. Stroma corticale, ligno numquam adnatum, neque nigrolimitatum. Ostiola integra. Asci 4-8-spori, sessiles. Sporida hyalina.

Subg. 2. *Leucostoma* Nke. Stroma corticale, ligno numquam adnatum, nigrolimitatum. Ostiola integra. Asci subsessiles 8spori. Sporidia hyalina.

Ex. *V.* (Euvalsa) *ambiens* Fr., *V.* (Leucostoma) *translucens* DNtrs.

20. Eutypella *Nke.* (ut subgenus). Stroma valseum in cortice duriore v. in ligno immersum, nigrolimitatum. Perithecia monosticha v. polysticha, numquam circinantia. Ostiola sulcata. Asci longe stipitati, 8spori. Sporidia luteola v. subolivacea. — Spermogonia *Cytisporas* sistentia.

Ex. *E. cerviculata* (Fr.) Sacc., *E. Prunastri* (Pers.) Sacc.

21. Eutypa *Tul.* Stroma late effusum ex matrice (ligno v. cortice

duriore) plus v. minus mutata, saepius atroinquinata, effor-matum, initio hyphis conidiophoris vestitum. Perithecia stro-mati immersa, v. semiimmersa, plerumque dense et late gregaria. Asci 8spori, stipitati, aparaphysati. Sporidia sub-hyalina.

Ex. *E. Acharii* Ful., *E. flavovirens* (Hoffm.) Tul.

22. Cryptosphaeria *Grev. p. p., Ces. et DNtrs.* Stroma corticale sed vix manifestum. Perithecia aequaliter et densiuscule gregaria cortici immutato immersa, numquam ligno adnata. Asci stipitati, 8spori, aparaphysati. — Spermatia nota.

Ex. *C. millepunctata* Grev.

23. Cryptovalsa *Ces. et DNtrs.* Stroma Eutypae v. Cryptosphae-riae prorsus simile. Asci stipitati polyspori, aparaphysati. Spo-ridia luteola. — Spermogonia nota.

Ex. *C. protracta* DNtrs., *C. arundinacea* Sacc.

24. Diatrype *Fr. p. p.* Stroma a matricis substantia heterogeneum, subsuperficiale, effusum v. disciforme. Perithecia stromati immersa, ostiolis non v. vix convergentibus. Asci 8spori stipitati, aparaphysati. Sporida subluteola, minuta — In non-nullis spermogonia et conidia nota.

Ex. *D. Stigma* (Hoffm.) Fr., *D. disciformis* (Hoffm.) Fr.

25. Diatrypella *Ces. et DNtrs.* Stroma a matricis substantia he-terogeneum, subsuperficiale, verruciforme v. pulvinatum. Pe-rithecia stromati immersa, ostiolis non v. vix convergentibus. Asci polyspori, stipitati aparaphysati. — Conidia nota.

Ex. *D. verruciformis* (Ehrh.) Ces. et DNtrs., *D. Tocciaeana* DNtrs.

Sect. 2. HYALOSPORAE Sacc.

Sporidia ovoidea v. fusoidea v. oblonga hyalina v. virescenti-hyalina, typice 2-4-guttulata continua v. tandem tenuiter 1-3-septata. Paraphyses nullae.

† Simplices v. caespitosae.

* Perithecia glabra.

26. Phomatospora *Sacc.* Perithecia tecta erostrata. Asci filiformes

8spori. Sporidia oblonga, recta, continua utrinque 1-guttulata, hyalina. — Spermatia cognita.

Ex. *Ph. Berkeleyi* Sacc., *Ph. ovalis* (Pass.) Sacc.

27. Gnomonia *Ces. et DNtrs.* Perithecia rostrata, rostello centrali. Asci fusoidei 4-8spori. Sporidia ovoidea v. oblonga, 1-3-guttulata, continua v. tenuiter 1-3-septata, — Pycnidia et spermogonia nota.

Subg. *Mamiania* Ces. et DNtrs. Perithecia plerumque pseudostromate phyllogeno nigro hinc inde in caespitulos connexa. Sporidia ovoidea.

Subg. *Eugnomonia.* Perithecia discreta. Sporidia fusoidea v. subcylindracea.

Ex. *G.* (Mam.) *fimbriana* (Pers.) Fckl., *G.* (Mam.) *Coryli* (Batsch) Awd., *G.* (Eugn.) *vulgaris* Ces. et DNtrs.

28. Plagiostoma *Fckl.* Perithecia rostrata, rostello laterali. Caetera Gnomoniae.

Ex. *P. devexa* (Desm.) Fckl.

29. Hypospila *Fr.* Perithecia erostrata immersa pseudostromati nigro phyllogeno, denique super quodque ostiolum operculatim disrupto. Sporidia allipsoidea, curvata. — Spermogonia nota.

Ex. *H. quercina* Fr.

30. Laestadia *Awd.* Perithecia erostrata, vix pertusa. Asci clavulati, 8spori. Sporidia continua, oblonga. Est *Sphaerella* sporidiis continuis.

Ex. *L. punctoidea* (Cooke) Awd.

Obs. Huc probabiliter ducendae *Stigmateae* species sporidiis continuis donatae.

** Perithecia pilosa v. byssiseda.

31. Trichosphaeria *Fckl.* Perithecia minuta, superficialia, vix papillata. Sporidia ovoidea v. oblonga, guttulata, hyalina. — Spermogonia cognita.

Ex. *F. exosporioides* (Desm.) Fckl., *T. pilosa* (Pers.) Fckl.

†† Stromaticae.

32. Diaporthe *Nke.* Perithecia tecta, plerumque longicollia. Asci

fusoidei, 8spori, aparaphysati. Sporidia typice fusoidea, rarius ovoidea, 4-guttulata dein 1-septata, rarius tandem tenuiter 3-septata, mutica v. appendiculata. — Spermogonia ut plurimum *Phomatis* species sistentia.

Subg. 1 *Chorostate* Nke. Stroma diatrypeum, subpulvinatum, corticale.

Subg. 2. *Sclerostroma* Nke. Stroma valseum corticale.

Subg. 3. *Tetrastagon* Nke. Stroma cryptosphaeriaceum, corticale, h. e. perithecia in cortice immutato nidulantia gregarie sparsa, rarius inordinate aggregata, linea nigra stromatica per corticem lignumque excurrente circumscripta.

Subg. 4. *Euporthe* Nke. Stroma eutypeum, ligneum, h. e. perithecia ligno, superficie demum atroinquinato, immersa, gregarie sparsa rarius inordinate aggregata, infra nigrolimitata.

Ex. *D.* (Chor.) *pyrrhocystis* (B. et Br.) Nke. — *D.* (Scl.) *fibrosa* (Fr.) Nke, — *D.* (Scl.) *oncostoma* (Duby) Fckl., — *D.* (Tetr.) *alnea* Fckl., — *D.* (Tetr.) *resecans* Nke., — *D.* (Eu.) *pulla* Nke.

Sect. 2. PHAEOSPORAE Sacc.

Sporidia ovoidea, v. subnavicularia, continua, nigricantia.

† Simplices v. caespitosae.

* Superficiales.

1. Perithecia longe rostrata.

33. Melanospora *Cd.* Perithecia membranacea, subdiaphana.
Ex. *M. vervecina* (Desm.) Fckl., *M. chionea* (Fr.) Cda.

34. Ceratostoma *Fr. em.* Perithecia carbonacea.
Ex. *C. Vitis* Fckl., *C. Notarisii* Sacc.

2. Perithecia erostrata.

34. Helminthosphaeria *Fckl.* Perithecia membranacea, hyphis conidiophoris strigoso-hirta. Sporidia nec appendiculata nec strato gelatinoso obducta.
Ex. *H. Clavariae* (Desm.) Fckl.

36. Sordaria *Ces. et DNtrs., Wint.* Perithecia membranacea, et saepe diaphana, glabra v. varie vestita, plerumque fimicola. Sporidia strato gelatinoso obducta, v. appendiculata. Spermogonia et pycnidia in nonnullis cognita.
Ex. *S. coprophila* (Fr.) Ces. DNtrs.

37. Rosellinia *DNtrs.* Perithecia carbonacea, glabra v. setulosa, v. byssiseda, lignicola. Sporidia mutica, rarius appendiculata. Conidia et pycnidia in nonnullis cognita.
Ex. *R. Aquila* (Fr.) DNtrs., *R. pulveracea* (Ehrh.) Nke.

** Tectae.

38. Anthostomella *Sacc.* Perithecia epidermide adhaerente et circa ostiolum vix erumpens nigrificata, tecta.
Ex. *A. limitata* Sacc., *A. tomicoides* Sacc., *A. perfidiosa* (DNtrs.) Sacc. — *Obs.* Genus *Clypeosphaeriae* analogum, sed sporidia continua, in nonnullis breviter appendiculata.

†† Stromaticae, compositae.

* Stroma cortici v. ligno immersum, eutypeum v. valseum, interdum senio liberatum. Perithecia membranacea, longicollia.

39. Anthostoma *Nke.* — Spermogonia *Cytisporas* sistentia.
Ex. *A. decipiens* (DC.) Nke., *A. Schmidtii* (Awd.) Nke., *A. Xylostei* (Pers.) Sacc., *A. gastrinum* (Fr.) Sacc.

** Stroma superficiale. Perithecia carbonacea, ostiolis plerumque brevissimis.

40. Xylaria *Hill.* Stroma fruticulosum v. varie ramosum, initio conidiophorum.
Ex. *X. Hypoxylon* (Linn.) Grev., *X. polymorpha* (Pers.) Grev.

41. Poronia *Lk.* Stroma cupuliforme, stipitatum, initio superficialiter condiophorum.
Ex. *P. punctata* (L.) Fr., *P. Oedipus* Mtgn.

42. Ustulina *Tul.* Stroma repando-pulvinatum senio intus subvacuum, initio conidiophorum,
Ex, *U. vulgaris* Tul. (*Sphaeria deusta* Hoffm.)

43. Hypoxylon *Bull.* Stroma subglobosum v. effusum intus compactum, initio conidiophorum. Perithecia plus v. minus protuberantia.
Ex. *H. coccineum* Bull., *H. serpens* (Pers.) Fr.

44. Daldinia *Ces. et DNtrs.* Stroma subglobosum, intus concetrice spongioso-stratosum, initio conidiophorum. Perithecia stromati omnino immersa nec protuberantia.
Ex. *D. concentrica* (Bolt.) Ces. et DNtrs.

45. Nummularia *Tul.* Stroma disciforme v. cupuliforme, sessile, sub strato supremo initio condiophorum.
Ex. *N. repanda* (Fr.) Nke., *N. repandoides* Fckl.

Sect. 4. DIDYMOSPORAE Sacc.

Sporidia ovoidea v. oblonga, bilocularia, fusca v. hyalina.

† Simplices

* Sporidia hyalina v. subhyalina.

1. Perithecia glabra.

a. Perithecia dimidiata, scutiformia.

46. Microthyrium *Desm.* Perithecia minutissima, membranacea.
Ex. *M. microscopicum* Desm., *M. Quercus* Fckl.

b. Perithecia normalia, integra.

47. Sphaerella *Ces. et DNtrs. p. p.* Perithecia tenui-membranacea, sublenticularia, velata v. erumpentia. Sporidia minuta versus medium 1-septata, hyalina, raro luteola.
Ex. *S. sparsa* (Wallr.) Awd., *S. punctiformis* (Pers.) Fckl. *S. Rumicis* (Desm.) Fckl., *S. Selene* Sacc.
Obs. Huc refero *Stigmateae* species sporidiis didymis.

48. Apiospora *Sacc.* Perithecia tecta, membranacea, globulosa, pseudostromate fusco connexa. Sporidia clavato-subpyriformia, deorsum attenuata et saepe curvula, valde inaequaliter 2-nucleata v. ima basi spurie 1-septata ut fere appendiculata appareant. Species hucusque culmicolae.

Ex. *A. Montagnei* Sacc. (Sph. apiospora *Mtgn.* et *Dur.*), — *A. Striola* (Pass.) Sacc. (Homostegia Striola *Pass.*), — *A. parallela* (Karst.) Sacc. (Sphaerella parallela *Karst.*).

49. Lizonia *Ces. et DNtrs.* Perithecia erumpentia, coriaceo-membranacea, subovoidea, prominula. Sporidia majuscula e hyalino fuscidula.

Ex. *L. emperigonia* (Awd.) DNtrs.

50. Epicymatia *Fckl.* Perithecia carbonacea, hemisphaerica, superficialia. Sporidia minuta hyalina.

Ex. *E. vulgaris* Fckl. (Sph. epicymatia Wallr.).

2. Perithecia vestita.

51. Venturia *DNtrs.* Perithecia, erumpentia membranacea v. subcarbonacea, hispida v. setulosa. Sporidia minuta, hyalina v. luteola.

Ex. *V. Eres* (B. et Br.) DNtrs., *V. chlorospora* (Ces.) Wint.

Obs. Huc refero *Stigmateae* species peritheciis setulosis et sporidiis didymis (*Coleroa* Fr.).

52. Eriosphaeria *Sacc.* Perithecia superficialia, carbonacea, hispida v. setulosa. Sporidia mediocria ellipsoidea v. subfusoidea 1-septata hyalina. Conidia in nonnullis nota.

Ex. *E. Vermicularia* (Nees) Sacc., *E. exigua* Sacc., *E. varipila* Sacc.

** Sporidia typice colorata.

53. Didymosphaeria *Fckl.* Perithecia membranacea tecta v. demum erumpentia. Sporidia strato hyalino carentia. Pycnidia cognita.

Ex. *D. Epidermidis* (Fr.) Fckl.

54. Amphisphaeria *Ces. et DNtrs.* Perithecia carbonacea v. subcoriacea, cortici crassiori v. ligno basi insculpta v. superficialia. Sporidia strato hyalino carentia.

Ex. *A. umbrina* (Fr.) DNtrs., *A. papillata* (Schum.) DNtrs.

55. Delitschia *Awd.* Perithecia membranacea v. subcoriacea, fimo immersa, ostiolo emergente. Sporidia strato gelatinoso hyalino obducta.

Ex. *D. didyma* Awd.

†† Caespitosae.

56. Gibbera *Fr. p. p.* Perithecia subglobosa, carbonacea, setulosa Sporidia hyalino-flava.
Ex. *G. Vaccinii* (Sow.) Fr.

57. Otthia *Nke.* Perithecia subglobosa, carbonacea, glabra. Sporidia fuliginea. — Pycnidia *Diplodiae* species sistentia.
Ex. *O. Quercus* Fckl., *O. Crataegi* Fckl.

††† Compositae, stromaticae.

* Sporidia hyalina.

58. Endothia *Fr.* Stroma diatrypeum. Perithecia immersa, nigricantia. Asci fusoidei aparaphysati, 8spori. Sporidia ovato-fusoidea, 2-locularia. — Spermogonia nota.
Ex. *E. gyrosa* (Schw.) Fckl.

59. Melanconis *Tul. p. p.* Stroma ascophorum valseum, immersum v. erumpens. Stroma conidiophorum conicum ascophoro saepe consociatum, *Melanconii* species sistens. Sporidia mutica v. appendiculata, bilocularia hyalina.
Ex. *M. Carthusiana* Tul., *M. chrysostroma* (Fr.) Tul.

60. Hercospora *Fr.* Stroma ascophorum valseum, immersum v. erumpens. Stroma pycnidicum globosum, multiloculare ascophoro consociatum, *Rabenhorstiam* sistens. Sporidia exappendiculata, bilocularia hyalina. — Conidia quoque cognita.
Ex. *H. Tiliae* Fr.

** Sporidia colorata.

61. Valsaria *Ces. et DNtrs., p. p.* (Myrmaecium *Tul.*, Phaeosperma *Karst.* et *Wint.*) Stroma erumpens, v. immersum, valseum, diatrypeum, v. eutypeum, atrum. Asci cylindracei, paraphysati, 8spori. — Spermogonia et pycnidia nota.
Ex. *V. insitiva* Ces. et DNtrs., *V. donacina* (F r.) Ces. et DNtrs. *V. Periplocae* DNtrs., *V. anserina* (Pers.) Sacc., *V. anthostomoides*, Sacc., *V. Niesslii* (Wint.) Sacc,
Obs, Genus hoc, meo sensu, est *Anthostoma* sporidiis biloculariibus, aeque fuligineis.

Sect, 5. PHRAGMOSPORAE Sacc.

Sporidia oblongata v. fusoidea typice 2-pluriseptata fuliginea, in nonnullis (quae immatura habenda) eseptata v. 1-septata, hyalina et rarissime septulo uno alterove longitudinali.

† Simplices.

1. Perithecia ostiolo papillato.

* Tectae v. demum erumpentes.

a. Sporidia strato gelatinoso obvoluta.

62. Massaria *DNtrs.* Perithecia coriacea majuscula. Sporidia oblongo-fusoidea, grandia, 3-pluriseptata, rarius septo uno alterove longitudinali, plerumque colorata.
Ex. *M. inquinans* (Tode) DNtrs., *M. epileuca* (B. et C.) Wint.

b. Sporidia strato gelatinoso destituta.

63. Rebentischia *Karst.* Perithecia coriaceo-membranacea, erumpentia, collabentia. Asci clavati, 8spori, paraphysati. Sporidia clavato-pyriformia, 4-septata, fuliginea, loculo imo caudiformi, hyalino.
Ex. *R. Massalongi* (Mtgn.) Sacc., *R. unicaudata* (Ber. Br.) Sacc.

64. Leptosphaeria *Ces. et DNtrs.* Perithecia membranacea, v. subcoriacea, tecta, dein erumpentia, ut plurimum caulicolae, epidermidi tegenti non adnata. Asci cylindracei v. fusoidei, paraphysati, 8spori. Sporidia oblonga, fusoidea v. cylindracea pluriseptata et colorata, v. (immatura?) hyalina. — Conidia, spermogonia et pycnidia nota.
Ex. *L. Doliolum* (Pers.) Ces. et DNtrs., *L. donacina* Sacc.
Obs. Specimina sporidiis hyalinis a sect. Hyalosporarum praesentia paraphysum distinguuntur.

65. Clypeosphaeria *Fckl.* Perithecia subcarbonacea, globoso-lenticularia, epidermidi v. peridermio circumcirca nigrificato et tegenti arcte adnata. Asci cylindracei 8spori, paraphysati. Sporidia oblonga v. elongata, 2-pluriseptata, fuliginea.
Ex. *C. Notarisii* Fckl. (S. clypeiformis *DNtrs.*)

66. Byssothecium *Fckl.* Perithecia subcoriacea, hemisphaeroidea, erumpentia. Asci clavati, paraphysati, 8spori. Sporidia oblonga 4-locularia, fuliginea, loculis extimis pallidioribus. — Status secundarii *Lanosam* et *Rhizoctoniam* sistentes.
Ex. *B. circinans* Fckl.

** Superficiales

a. Pilosae, v. byssisedae.

67. Chaetosphaeria *Tul.* Perithecia gregaria, glabra sed byssiseda, submembranacea, saepius collabescentia. Asci subclavati 8-spori. Sporidia elongata, curvata, 4-locularia, fuliginea, loculis extimis pallidioribus, minoribus. — Status conidiophorus *Cladotrichum* sistens.
Ex. *C. fusca* Fckl., *C. phaeostroma* (Mtgn.) Fckl.

68. Enchnosphaeria *Fckl.* Perithecia sparsa, hirsuta, carbonacea, ostiolo acute conoidea. Asci oblongati, 8spori. Sporidia fusoidea utrinque acuta, versus medium parum protuberantia, 2-5-septata, hyalina.
Ex. *E. pinetorum* Fckl., *E. passicrinis* Sacc.

69. Herpotrichia *Fckl.* Perithecia gregaria, hirsuta v. byssiseda, carbonacea, vertice applanato discolori (roseo) ostiolo minute papillato. Asci oblongi, 8spori. Sporidia fusoidea 1-3-septata, minute appendiculata, hyalina v. subfuliginea.
Ex. *H. Schiedermayeriana* Fckl., *H. heterostoma* (Karst.) Sacc.

b. Glabrae.

70. Melanoma *Nke.* Perithecia carbonacea gregaria, minuta, sublaevia, papillata. Sporidia oblongata, typice 2-4-septata fuliginea, rarius hyalina, guttulata.
Ex. *M. Pulvis pyrius* (Pers.) Fckl., *M. ovoidea* (Fr.) Fckl.

71. Bertia *DNtrs.* Perithecia carbonacea gregaria et confluentia, maiuscula, conspicue rugosa. Sporidia elongato-fusoidea 1-3-septata, hyalina.
Ex. *B. moriformis* (Tode) DNtrs., *B. macrospora* Sacc.

72. Trematosphaeria *Fckl.* Perithecia carbonacea, subgregaria, minuta, papilla amissa, late perforata. Sporidia fusoidea, typice 3-septata, colorata.
Ex. *T. pertusa* (Pers.) Fckl., *T. pertusella* Sacc.

73. Melomastia *Nke.* Perithecia carbonacea, subsparsa, acute papillata, initio subtecta, ligno semiimmersa, dein semi-liberata. Asci cylindrici, paraphysati, 8spori. Sporidia breve cylindracea, 2-septata, hyalina.

Ex. *M. Friesii* Nke (Sphaeria mastoidea *Fr.*)

74. Caryospora *DNtrs.* Perithecia carbonacea, sparsa, majuscula, superficialia v. basi insculpta, acute papillata. Sporidia magna, initio lutescentia pluriseptata, dein fere biconica, opace fuliginea. — Spermogonia nota.

Ex. *C. Putaminum* (Schw.) DNtrs., *C. callicarpa* (Curr.) Nke.

75. Hormospora *DNtrs.* (1844) (Sporormia *DNtrs.*, 1849) Perithecia sparsa, membranacea, molliuscula, papillata, fimicolae. Sporidia cylindracea, 4-locularia, fuliginea, loculis mox secedentibus.

Ex. *H. minima* (Awd.) Sacc., *H. intermedia* (Awd.) Sacc.

2. Perithecia ostiolo compresso, rimoso.

76. Lophiostoma *Ces. et DNtrs.* Perithecia carbonacea v. submembranacea, immersa v. emergentia. Sporidia fusoidea v. elongata, typice 3-12-septata, fuliginea, raro septulo aliquo longitudinali, vel hyalina, mutica v. appendiculata.

Ex. *L. semiliberum* (Desm.) Ces. et DNtrs., *L. macrostomum* (Tode) Ces. et DNtrs., *L. dumeti* Sacc.

†† Caespitosae.

77. Botryosphaeria *Ces. et DNtrs.* Perithecia plerumque in acervulos pulvinatos congregata, v. sparsa, erumpenti-superficialia, et non raro subtecta, contextu amoene coeruleo v. violascente. Asci clavati, paraphysati, 8spori. Sporidia oblonga v. fusoidea 3-septata e hyalino luteola. — Conidia et pycnidia nota.

Ex. *B. pulicaris* (Fr.) Ces. et DNtrs., *B. Bérengeriana* DNtrs. (cujus sporidia apud nos plerumque continua manent).

††† Stromaticae.

78. Melogramma *Fr.* Stroma pulvinatum v. disciforme, diatrypeum, superficiale. Sporidia elongata, curvula 4-6-locularia, dilute fuliginea.

Ex. *M. vagans* DNtrs., *M. spiniferum* (Wallr.) DNtrs.

79. Thyridaria *Sacc.* Stroma effusum, atrum, tectum, dein erumpens Perithecia valsiformiter aggregata, nunc subsparsa, sphaeroidea, ostiolo brevissimo. Sporidia fusoidea, 4-locularia, saturate fuliginea. — Pycnidia et micropycnidia nota, *Diplodiam* et *Coniothyrium* sistentia.

Ex. *Thyridaria incrustans* Sacc.

Obs. Genus cum *Kalmusia* Niessl forte conjungendum.

80. Pseudovalsa *Ces. et DNtrs. p. p.* Stroma valseum v. diatrypeum tectum dein erumpens. Perithecia plerumque longicollia. Sporidia octona 4-6-locularia, fuliginea, mutica v. appendiculata. — Status conidiophorus *Stilbosporam*, *Coryneum*, *Steganosporium* sistens.

Ex. *P. lanciformis* (Fr.) Ces. et DNtrs., *P. macrosperma* (Tul. sub *Melanc.*) Sacc., *P. longipes* (Tul. sub *Melanc.*), *P. umbonata* (Tul. sub *Melanc.*) Sacc.

81. Aglaospora *DNtrs.* Stroma valseum, tectum, vix erumpens. Perithecia ostiolo crasse cylindraceo instructa. Sporidia quaterna, oblongo-cylindracea, 4-locularia, 4-nucleata, umbrina. — Status spermogonicus *Cytisporas* sistens.

Ex. *A. profusa* (Fr.) DNtrs.

Sect. 6. SCOLICOSPORAE Sacc.

Sporidia vermicularia, v. bacillaria, v. filiformia saepe asci longitudine v. praelonga, septulata v. guttulata, hyalina v. fuliginea.

† Simplices.

* Tectae v. erumpentes. Perithecia submembranacea.

82. Rhaphidophora *Fr.* Sporidia filiformia, utrinque mutica, guttulata v. septulata, hyalina v. pallide luteola. Perithecia caulicolae rarius ramicolae, rostellata. — Spermogonia et in nonnullis conidia nota.

Ex. *R. rudis* (Riess) Ces. et DNtrs., *R. rubella* (Pers.) Ces. et DNtrs., *R. macrocarpa* Sacc.

83. Dilophospora *Str. Fckl.* Sporidia filiformia utrinque attenuata et setigera, septulata, luteola. Perithecia graminicolae, papillata. Conidia (*Mastigosporium*) et pycnidia (*Dilophospora* Desm.) nota.

Ex. *D. graminis* Desm., Fckl.

84. Linospora *Fckl.* Sporidia filiformia, continua, hyalina. Parithecia rostrata, foliicolae, plerumque e stromate subpulvinato oriunda.

Ex. *L. Capreae* (DC.) Fckl., *L. vulgaris* Fckl.

85. Ceuthocarpon *Karst.* Sporidia filiformia, septulata, hyalina. Perithecia erostrata, subastoma, foliicolae, immersa preudostromati nigro, denique super quodque ostiolum operculatim distrupto.

Ex. *C. populinum* (Fr.) Karst.

** Superficiales. Perithecia carbonacea v. coriacea.

86. Lasiosphaeria *Ces. et DNtrs. p. p.* Perithecia carbonacea sphaeroidea, gregaria, hirsuta. Sporidia vermicularia, pluriseptata, plerumque colorata. — Spermogonia nota.

Ex. *L. hirsuta* (Fr.) Ces. et DNtrs., *L. hispida* (Tode) Fckl.

87. Leptospora *Rabh. p. p. Fckl.* Perithecia carbonacea, sphaeroidea, gregaria, rugulosa, hirsuta v. glabra. Sporidia vermicularia continua, hyalina. — In nonnullis conidia nota ex Fckl.

Ex. *L. spermoides* (Hoffm.) Fckl.

88. Bombardia *Fr.* Perithecia coriacea, cylindraceo-ovoidea, subobliqua, dense gregaria, glabra. Sporidia vermicularia continua (an matura septata?) hyalina.

Ex. *B. fasciculata* Fr. (Sph. Bombarda *Batsch*).

†† Stromaticae.

89. Sillia *Karst.* Stroma diatrypeum erumpens, pulvinatum, intus crocatum. Sporidia filiformia, utrinque attenuata, praelonga, tandem tenuiter pluriseptata, hyalina.

Ex. *Sillia ferruginea* (Pers.) Karst. (Melogramma ferrugineum *Ces. et DNtrs.*)

90. Cryptospora *Tul.* Stroma valseum tectum. Sporidia filiformia v. vermicularia, multiguttulata, hyalina. — Conidia et spermogonia nota.
Ex. *C. suffusa* (Fr.) Tul., *C. corylina* (Tul.) Fckl.

Sect. 7. DICTYOSPORAE Sacc.

Sporidia ovoidea, oblonga v. subfusoidea, transverse, et longitudinaliter septata (muriformia), fusca.

a. Perithecia clavata v. cylindracea interdum ramosa, molliter membranacea, vertice irregulariter dehiscentia, ex hyphis conidiophoris oriunda.

91. Capnodium *Mtgn.* (Fumago *Tul.*) Status conidiophorus late effusus *Cladosporii* species sistens.
Ex. *C. salicinum* Mtgn., *C. Citri* Berk.

Obs. Genus *Antennaria* Lk. Fr. S. M. III, 228 (excl. spec. I[a]) cum *Capnodio* congruit, saltem *A. pityophila* Nees eamdem fabricam praebet et forte a *Capn. australe* Mtgn. non differt. — Capnodium genus rectius forte inter Perisporiaceas collocandum.

b. Perithecia sphaeroidea, carbonacea v. membranacea.

† Simplices.

92. Pleospora *Rabh.* Perithecia tecta dein erumpentia, membracea, sparsa, caulicolae. — Conidia, spermogonia et pycnidia nota.
Subg. *Eupleospora.* Perithecia glabra.
Subg. *Pyrenophora.* Perithecia setosa.
Ex. *Pl.* (Eup.) *herbarum* (Pers,) Rabh., *Pl.* (Eupl.) *Dianthi* DNtrs., *Pl.* (Pyr.) *trichostoma* (Rabh.) Ces. et DNtrs., *Pl.* (Pyr.) *comata* Niessl., *Pl.* (Pyr.) *Venziana* Sacc.

93. Teichospora *Fckl.* Perithecia superficialia, carbonacea, plerumque gregaria, lignicolae. — Conidia et pycnidia nota.
Ex. *T. obducens* (Fr.) Fckl., *T. Mesascium* (DNtrs.) Sacc., *T. trabicola.* Fckl.

†† Caespitosae.

94. Cucurbitaria *Gray*. Perithecia erumpenti-superficialia, carbonacea, brevissime papillata, quandoque umbilicata, saepe rugulosa. — Conidia, spermogonia et pycnidia nota.
Ex. *C. Berberidis* Gray, *C. Laburni* (Pers.) DNtrs., *C. elongata* (Fr.) Grev., *C. Castaneae* Sacc.

††† Stromaticae, compositae.

95. Fenestella *Tul.* Stroma valseum, tectum, extus glabrum. Sporidia grandia utrinque pallide apiculata, crebre 9-18-septata et muriformia, olivacea v. fusca. — Conidia et spermogonia cognita.
Ex. *F. Princeps* Tul., *F. phaeospora* Sacc.

96. Thyridium *Nke.* Stroma valseum tectum, extus luteo-furfuraceum. Sporidia mediocria, utrinque obtusiuscula, 5-septato-muriformia, fuliginea. — Spermogonia nota.
Ex. *Thyridium vestitum* (Fr.) Fckl.

Fam. 3. HYPOCREACEAE DNtrs.

Simplices v. compositae. Perithecia subcarnosa v. ceraceo-membranacea, plerumque rubescentia, rarius pallida v. laete colorata, ostiolo rotundo dehiscentia.

Sect. 1. HYALOSPORAE Sacc.

97. Eleutheromyces *Fckl.* Sporidia ovoideo-cylindracea, utrinque setula aucta, continua, hyalina. Conidia nota *Isariam* sistentia.
Ex. *E. subulatus* Fckl. (Sphaeronema subulatum *Tode*).

Sect. 2. DIDYMOSPORAE Sacc.

† Simplices v. stromate byssino connexae, v. caespitosae.

98. Passerinula *Sacc.* Perithecia bysso nullo complexa, pallida,

ceracea, pyrenomycetibus majoribus (ut *Valsaria* et *Thyridio*) parasitice immersa, ostiolis longicollibus, exertis. Asci 8spori, copiose paraphysati. Sporidia subovoidea, 1-septata, olivaceo-fuliginea.

Ex. *P. candida* Sacc.

99. Hypomyces *Tul.* Perithecia stromate byssino, effuso connexa, hymenomycetibus plerumque parasitice immersa, laeticolaria ostiolis abbreviatis. Asci 8spori, aparaphysati. Sporidia oblonga, utrinque acuta v. apiculata. — Conidia nota, *Sepedomium, Asterophoram* etc. sistentia.

100. Nectria *Fr.* Perithecia erumpenti-superficialia, caespitosa v. discreta, saepe stromate pulvinato, primitus conidiophoro insidentia, rosea v. laete colorata. Sporidia 8 ellipsoidea, v. oblonga, 1-septata, hyalina, loculis non secedentibus. — Conidia *Tuberculariae* v. *Fusarii.*

Ex. *N. cinnabarina* (Tode) Fr., *N. coccinea* (Pers.) Fr.

†† Stromaticae, compositae.

101. Sphaerostilbe *Tul.* Stroma stipitiforme, fibrosum, apice conidiophorum (*Microcera* v. *Atractium*) basi perithecia prorsus nectriacea gerens. Sporidia bilocularia, hyalina.

Ex. *Sphaerostilbe coccophila* Tul.

102. Hypocrea *Fr.* Stroma carnosum variicolor, pulvinatum v. effusum, superficiale. Sporidia 8, bilocularia, hyalina v. luteola, loculis mox secedentibus, uti sporidia 16 appareant. — Conidia nota.

Ex. *H. gelatinosa* (Tod.) Fr., *H. rufa* (Pers.) Fr.

Sect. 3. PHRAGMOSPORAE Sacc.

103. Calonectria *DNtrs.* Perithecia nectriacea, caespitosa v. discreta. Sporidia 8, fusoidea, 2 pluriseptata, hyalina — *Nectriellae* et *Nectriae* species Fckl.

Ex. *C. Daldiniana* DNtrs., *C. Fuckelii* (Nke.) Sacc., *C. decora* (Wallr.) Sacc., *C. Bloxami* (B. et Br.) Sacc.

Sect. 4. SCOLICOSPORAE Sacc.

104. Claviceps *Tul.* Stoma stipitatum, erectum e sclerotio oriundum, capitatum. Perithecia stromati immersa, non prominula. Sporidia filiformia continua, hyalina. — Conidia (*Fusarium*) nota.
Ex. *C. purpurea* (Fr.) Kühn, *C. pusilla* Ces.

105. Torrubia *Lév.* Stroma stipitatum, erectum, saepius entomogenum, clavatum. Perithecia semiimmersa, prominula, v. sublibera (in *Racemella* Ces.) Sporidia filiformia in articulos mox secedentia, hyalina. — Conidia (*Isaria*) nota.
Ex. *T. militaris* (Pers.), *T. memorabilis* Ces.

106. Epichloe *Fr.* Stroma sessile, effusum, primitus conidiophorum. Perithecia immersa, ostiolis vix prominulis. Sporidia filiformia, pluriseptata, luteolo-hyalina.
Ex. *E. typhina* (Pers.) Tul.

Sect. 5. DICTYOSPORAE Sacc.

107. Thyronectria *Sacc.* Stroma valseum, corticale, tectum vix erumpens. Perithecia monosticha, carnosula, rosea, extus flavo-furfuracea, ostiolis brevissimis. Asci 8spori, paraphysati. Sporidia oblonga, initio cribrose guttulata, dein tenuiter septato-muriformia, hyalina. — Spermatia nota.
Ex. *T. Patavina* Sacc.

Fam. 4. DOTHIDEACEAE Nke.

Compositae, stromaticae. Perithecia (*loculi*) cum stromatis substantia confluentia et homogenea, ideoque non discreta, minute ostiolata, laete colorata v. nigricantia.

Sect. 1. HYALOSPORAE Sacc.

† Stroma laete coloratum.

108. Polystigma *Pers.* Stroma subcarnosum effusum parenchymati foliorum innatum, ochraceum fulvum v. rubrum. Sporidia ovoidea, continua. — Spermatia cognita.
Ex. *P. rubrum* (Pers.) DC., *P. ochraceum* (Walbg.) Sacc.

†† Stroma nigricans.

109. Phyllachora *Nke.* Stroma effusum, subpulvinatum, ambitu varium, punctulatum, saepius initio spermogonicum, foliicola. Loculi stromati immersi crebri, minuti. Sporidia ovoidea, continua, hyalina.
Ex. *Ph. Ulmi* (Sow.) Fckl., *Ph. Graminis* (Pers.) Fckl.

110. Mazzantia *Mtgn.* Stroma clypeiforme, oblongum, punctulatum, initio spermogonicum, caulicola. Loculi stromati immersi, mediocres, pauci, remotiusculi. Sporidia ovoidea, continua, hyalina, guttulata.
Ex. *M. Galii* (Guep.) Mtgn., *M. Napelli* (Ces.) Sacc.

Sect. 2. DIDYMOSPORAE Sacc.

111. Euryachora *Fckl.* (1869). — Placosphaeria *DNtrs.* (1867, ut subgen). — Stroma late effusum, tenue, membranaceum, ambitu varium, minutissime punctatum, initio spermogonicum, caulo-phyllogenum. Loculi stromati inordinate immersi, numerosi, minuti. Asci subovoidei, 8spori, aparaphysati. Sporidia matura, bilocularia, hyalina.
Ex. *E. Sedi* (Lk.) Fckl.

112. Dothidea *Fr. p. p.* Stroma pulvinatum, crassiusculum, ambitu plerumque circulare, erumpenti-superficiale, verruculosum. Loculi peripherice monostichi. Sporidia oblonga v. fusoidea, 1-septata, hyalina v. luteola. — Conidia, spermogonia et pycnidia cognita.
Ex. *D. ribesia* (Pers.) Fr.. *D. Sambuci* (Pers.) Fr.

113. Scirrhia *Nke.* Stromata linearia conferte et parallele hinc inde pustulatim erumpentia. Laculi stromati polystiche immersi. Sporidia oblonga, 1-septata, hyalina. Conidia (*Hadrotrichum* Fckl.) et spermogonia nota.
Ex. *S. rimosa* (A. S.) Nke.

Sect. 3. PHRAGMOSPORAE Sacc.

114. Homostegia *Fckl.* Stroma effusum, planiusculum v. hemisphae-

ricum, carbonaceum, fragile. Loculi immersi, papillati, nucleo albo. Sporidia 3-5-septata, fusca, v. luteola.

Ex. *H. Piggotii* (B. Br.) Sacc.

115. Rhopographus *Nke.* Stroma irregulare varie confluens, rimose erumpens, subcoriaceum. Loculi immersi, grandiusculi. Sporidia 3-septata, utrinque appendiculata, flava. — Spermogonia *Leptostroma* sistens.

Ex. *R. filicinus* (Sow.) Nke.

Fam. 5. HYSTERIACEAE Cda p. p.

Simplices. Perithecia membranacea, coriacea v. saepius carbonacea, nigricantia, rima longitudinali totum perithecium percurrente dehiscentia.

Sect. 1. HYALOSPORAE Sacc.

116. Aporia *Duby.* Perithecia membranacea, ambitu subelliptica, Asci cylindracei. Sporidia sphaeroidea, continua, hyalina.

Ex. *A. herbarum* (Fr.) Duby.

Sect. 2. DIDYMOSPORAE Sacc.

117. Aylographm *Lib.* Perithecia membranacea scutiformia, v. elongata, quandoque ramosa. Asci subovoidei. Sporidia ovoidea v. oblonga, bilocularia, hyalina.

Ex. *A. Hederae* Lib., *A. sarmentorum* DNtrs.

118. Glonium *Mühlenb., DNtrs.* Perithecia carbonacea elongata v. linearia, quandoque ramosa. Asci cylindraceo-clavati. Sporidia ovoidea v. fusoidea bilocularia, hyalina.

Ex. *G. lineare* (Fr.) DNtrs., *G. microsporum* Sacc.

Sect. 3. PHRAGMOSPORAE Sacc.

119. Hysterium *Tode p. p.* Perithecia corneo-carbonacea oblonga, v. linearia, labiis tumidulis latiuscule rimosa. Sporidia 2-10-septata, oblonga v. fusoidea, fuliginea.

Ex. *H. pulicare* Pers., *H. Bérengerii* Sacc.

120. Mytilidion *Duby*. Perithecia membranaceo-carbonacea, fragilia, conchiformia, labiis acutis angustissime rimosa. Sporidia 3-7-septata, oblonga v. fusoidea, fuliginea.
Ex. *M. tortile* (Schw.) Sacc. *M. rhenanum* Fckl.
Obs. Genus *Lophium* Karstenii, non Fr., huc spectat.

Sect. 4. SCOLICOSPORAE Sacc.

† Sporidia filiformia ascum subaequantia.

121. Acrospermum *Tode* Perithecia subcornea, superficialia, erecta, elongata v. clavata. Sporidia asci longitudine.
Ex. *A. graminum* Lib., *A. compressum* Tode.
122. Lophium *Fr.* Perithecia membranaceo-carbonacea, superficialia, conchiformia, compressa, basi coarctata v. substipitata, fragilia, labiis acutis angustissime rimosa. Sporidia asci longitudine, filiformia, guttulata, subhyalina.
Ex. *L. mytilinum* (Pers.) Fr.
Obs. Genus *Lophidium* Karstenii huc spectat.
123. Ostropa *Fr.* Perithecia subcoriacea, subimmersa, sphaeroidea, rima diametrali dehiscentia. Sporidia asci longitudine, septata, hyalina. — Spermogonia nota.
Ex. *O. cinerea* (Pers.) Fr., *O. cubicularis* (Fr.) Fckl.
124. Colpoma *Wallr.* Perithecia coriaceo-subcarnosa, erumpentia, elongata, applanata, labiis distantibus late hiantia. Sporidia asci longitudine, continua. — Spermogonia nota.
Ex. *C. quercinum* (Pers.) Wallr.
125. Lophodermium *Chev.* Perithecia tenui-membranacea, innato-erumpentia, applanata. ambitu circularia v. angulosa v. elongata, rima longitudinali valvatim dehiscentia. Sporidia ascos subaequantia, filiformia. — Spermogonia nota plerumque *Leptostromatis* species sistentia.
Ex. *L. xylomoides* Chev., *L. maculare* (Fr.) DNtrs.

†† Sporidia bacillaria asco multoties breviora.

126. Hypoderma *DC. p. p.* Perithecia innato erumpentia, applanata, ambitu subelliptica v. oblonga, tenui-membranacea, rima

longitudinali valvatim dehiscentia. Sporidia oblongo-cylindracea, bacillaria, subhyaliana, 2-4-locularia, v. (immatura?) continua. — Spermogonia nota.

Ex. *H. Hederae* (Mart.) DNtrs., *H. Rubi* (Pers.) DNtrs.

Sect. 5. DICTYOSPORAE Sacc.

127. Hysterographium *Cda p. p. DNtrs.* Perihecia coriaceo-carbonacea, oblongata, erumpenti-superficialia, labiis tumidulis rimose dehiscentia. Sporidia majuscula, ovoideo-oblonga, initio cribrose guttulata, flava, dein dense septato-muriformia fuliginea.

Ex. *H. Fraxini* (Pers.) DNtrs., *H. elongatum.* (Wahlenb.) Cda.

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